

UNIVERSITY OF DALLAS

Bulletin

2015-2016

Table of Contents

The Seal	3
Mission	4
History	8
Campus	10
Trustees, Administration, Staff.	14
Faculty	16
Academic Policies and Procedures	27
Constantin College of Liberal Arts	41
Satish & Yasmin Gupta College of Business (Undergraduate)	47
Campus Life	49
Undergraduate Enrollment	59
Undergraduate, Braniff Graduate School, and School of Ministry Fees and Expenses ..	67
Undergraduate Scholarships and Financial Aid	76
Requirements for the Bachelor of Arts and Bachelor of Science Degrees	82
Course Descriptions by Department.	86
Rome and Summer Programs	270
Braniff Graduate School of Liberal Arts	284
The Institute of Philosophic Studies Doctoral Program	292
Braniff Graduate Master's Programs	308
School of Ministry	345
Satish & Yasmin Gupta College of Business (Graduate)	359
Satish & Yasmin Gupta College of Business (Graduate) Calendar	403
Undergraduate, Braniff Graduate School, and School of Ministry Calendar ..	405
Index	411
Campus Map	416

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The Seal

The seal of the University of Dallas is emblematic of the ideals to which the university is dedicated. It is likewise reminiscent of the deposit of faith of the Roman Catholic Church and of the traditions of two teaching communities within the Church.

The decorative outer circle indicates the date the university was chartered and the motto, "Veritatem, Justitiam Diligite." The quotation "Love Ye Truth and Justice," a conflation of Zechariah 8.8 and 8.19, expresses the biblical message that truth and justice are the necessary conditions for peace, prosperity and happiness. This wise instruction has also been discovered by reason and confirmed by history. This founding conviction of the University of Dallas continues to inform all that UD aspires to do.

Enclosed within the blue band which bears the motto, in an octagonal field of green, are several emblems associated with the traditions of the university. The central figure of the triquetra interwoven with the triangle is a double symbol of the Holy Trinity to Whom the university is dedicated. The circle is a symbol of eternity and of the unity of the Godhead.

The fleur-de-lis, at once an ancient symbol of the Blessed Virgin Mary and of France, recalls the direct and indirect French origins of the two teaching orders which cooperated initially with the Roman Catholic Diocese of Dallas-Fort Worth in establishing the University of Dallas. The Cistercian Order originated in France in the Eleventh Century; the Congregation of the Sisters of Saint Mary of Namur was founded in Belgium in 1819 by a Cistercian Monk.

A crusader's shield, emblematic of faith, stands within the green field on either side of the central device. The shield on the left contains a star, a traditional emblem of Mary, as well as the chosen emblem of Texas, the Lone Star State. The shield on the right presents the torch of liberty and learning. The branches of live oak and olive trees, taken from the Seal of Texas, make further reference to the State.

The Trinity River, on which the university is located, is represented by the heraldic device of the wavy lines centered beneath the emblem of the Blessed Trinity.

The Official Seal, in all of its symbolic color, hangs in the J.M. Haggard, Sr., University Center foyer. The exquisite mosaic, completed by art alumnus Xavier Zamarripa, was commissioned by the Class of 2002.

Mission

The University of Dallas is dedicated to the pursuit of wisdom, of truth and of virtue as the proper and primary ends of education. The university seeks to educate its students so they may develop the intellectual and moral virtues, prepare themselves for life and work in a problematic and changing world and become leaders able to act responsibly for their own good and for the good of their family, community, country and church.

The university understands human nature to be spiritual and physical, rational and free. It is guided by principles of learning that acknowledge transcendent standards of truth and excellence that are themselves the object of search in an education.

The university is especially dedicated to the pursuit of liberal education in both its undergraduate and graduate programs. In its liberal arts programs the university is committed to the recovery and renewal of the Western heritage of liberal education. The university is equally committed to providing professional programs at the graduate level. Its professional programs, in a common spirit with the university's liberal arts programs, are dedicated to reflecting critically upon the ends governing one's own profession, to fostering principled, moral judgment and to providing the knowledge and skills requisite for professional excellence. Whether professional or liberal, the university is "convinced of the priority of the ethical over the technical, of the primacy of persons over things, of the superiority of the spirit over matter."¹ The university seeks to offer those graduate and undergraduate programs that will address important needs of society and that can be offered in a manner consistent with the university's primary institutional commitments.

The university as a whole is shaped by the long tradition of Catholic learning and acknowledges its commitment to the Catholic Church and its teaching. The university is dedicated to the recovery of the Christian intellectual tradition and to the renewal of Catholic theology in fidelity to the Church and in constructive dialogue with the modern world. It seeks to maintain the dialogue of faith and reason in its curriculum and programs without violating the proper autonomy of each of the arts and sciences. The university is open to faculty and students of all denominations and it supports their academic and religious freedom. It thus seeks to provide an academic and collegial community which will help students acquire a mature understanding of their faith, develop their spiritual lives and prepare themselves for their calling as men and women of faith in the world.

THE CONSTANTIN COLLEGE OF LIBERAL ARTS

The Constantin College of Liberal Arts seeks to educate students of seriousness, intelligence and spirit in accordance with the fundamental mission of the University of Dallas—so they may develop the intellectual and moral virtues which will prepare them for life and work in a changing and problematic world, achieve a mature understanding of their faith and become men and women who act responsibly for their own good and the good of their family, community, country and church.

The specific mission of the Constantin College is to provide undergraduate education through baccalaureate degree programs which include a substantial and coherent core curriculum common to all undergraduates and major studies in the humanities and sciences proper to liberal learning. The core curriculum emphasizes the study of the great deeds and works of Western civilization, both ancient and modern. The majors are built upon the core and invite students to disciplined inquiry into fundamental aspects of being and of our relation to God, to nature and to fel-

low human beings. The curriculum as a whole seeks to enable students to achieve the knowledge of nature and the understanding of the human condition necessary for them to comprehend the fundamental character of the world in which they are called to live and work.

The College also offers programs through which students may take a responsible part in the rich and varied life of the campus and the surrounding community. The undergraduate programs as a whole provide a basis for students to achieve a meaningful and fulfilling life's work whether through immediate career entry or through further education in graduate and professional schools.

THE SATISH & YASMIN GUPTA COLLEGE OF BUSINESS

The Satish & Yasmin Gupta College of Business is a professional school whose primary purpose is to prepare its students to become competent and responsible managers who are principled and moral leaders. To accomplish this purpose, we select and retain a diverse and talented faculty and staff. We encourage our faculty to engage in real world practices that support their teaching and research agendas. Our faculty emphasize teaching and learning and engage in basic, applied, and pedagogical research.

The mission of the College's undergraduate business program is to build a foundation for students' life-long development of the intellectual, moral, and professional capacity necessary to lead profit and not-for-profit organizations effectively. Accordingly, the College's program shall foster an environment where students can learn the fundamentals of business in the context of becoming ethical and effective decision-makers. Appropriate to a liberal education, the College's programs strive to be innovative in their course offerings to provide opportunity for intensive study. Its undergraduate program stands united with the Constantin undergraduate college in the shared mission to prepare students for a meaningful and fulfilling life's work, whether through immediate career entry or through further education in graduate and professional schools.

The graduate business programs strive to endow graduates with the skills and practical wisdom essential to the successful practice of management. Serving a domestic and international community of MBA, MS, and DBA students at different stages of their careers, the College endeavors to help its students accomplish their professional objectives by providing high-quality, practice-oriented, convenient management education. The graduate business programs seek to prepare students in a variety of management specialties and to serve a range of industries, primarily providing management education at the master's degree level. The College understands that its historic ability to find innovative and effective ways of meeting these student needs is a unique competency that is essential to the school's future success.

BRANIFF GRADUATE SCHOOL

The Liberal Arts division of the Braniff Graduate School seeks to accomplish at the highest level the university's commitment to the revival of the Western heritage of liberal education, the recovery of the Christian intellectual tradition and the renewal of Catholic theology in fidelity to the Church and in constructive dialogue with the modern world. Its specific purpose is to offer selected master's and doctoral programs in the liberal arts which recall these disciplines to their first principles and which will prepare students for careers in a variety of fields. These programs seek to enable students to acquire the knowledge and skills necessary for work in particular fields and to understand the principles of learning and the virtues of mind and heart which are constitutive of excellence in their life's work.

1. John Paul II, *Ex Corde Ecclesiae*, Apostolic Constitution of Catholic Universities, n. 18.

SCHOOL OF MINISTRY

The mission of the School of Ministry is to provide theological education for transformative service. School of Ministry students, immersed in the Catholic theological tradition, develop critical skills for theological reflection and receive high quality education and formation that is necessary for personal growth, professional ministry and transformative service to the Catholic Church, the broader Christian community and the wider world. The School of Ministry offers practice-oriented programs of theological studies and pastoral ministry including degrees, certificates, conferences, ongoing seminars, lectures and continuing education.

The mission of the undergraduate program is to give students the benefits of a liberal education while at the same time preparing them for pastoral ministry in the Church, in accord with the standards set by the U.S. Conference of Catholic Bishops Commission on Certification and Accreditation (USCCB/CCA) and the National Certification Standards for Pastoral Ministers. The mission of the graduate program is to offer practice-oriented theological education specific to a wide variety of ministries within and outside the Church, in accord with the USCCB/CCA standards for lay ecclesial ministers. The mission of the continuing education programs is to give adults that theological education and formation that is necessary for an academically credible faith life in the context of the modern world.



History

The charter of the University of Dallas dates from 1910 when the Vincentian Fathers took that name for the Holy Trinity College they had founded five years earlier. Holy Trinity closed in 1928 and the charter was placed with the Catholic Diocese of Dallas. In 1955 the Sisters of Saint Mary of Namur obtained it for the purpose of operating a new institution in Dallas that would absorb their junior college in Fort Worth, Our Lady of Victory. The Sisters, together with laymen who directed the drive for funds, Eugene Constantin, Jr. and Edward R. Maher, Sr., induced Bishop Thomas K. Gorman to have the diocese assume sponsorship of the new institution with ownership by its Board of Trustees.

Bishop Gorman announced that the University of Dallas would be a four-year coeducational institution welcoming students of all faiths and races and offering work on the undergraduate level with a graduate school to be added as soon as practicable.

The new University of Dallas opened its doors to 96 degree-seeking students in September 1956, on a thousand-acre tract of rolling hills located northwest of the city of Dallas, now part of Irving/Las Colinas.

The first president, F. Kenneth Brasted, served until 1959; the second, Robert Morris, from 1960 to 1962; and the third, Donald A. Cowan, from 1962 until 1977. In 1976, Bryan F. Smith was appointed Chancellor to assist Dr. Cowan and to oversee the university until the next president, Dr. John R. Sommerfeldt was appointed in 1978. Dr. Sommerfeldt returned to full-time teaching and research in 1980. During the search for his successor, Dr. Svetozar Pejovich served as acting president. In July 1981, Dr. Robert F. Sasseen became the fifth president of the university. In December of 1995 Dr. Sasseen returned to teaching. Monsignor Milam J. Joseph was named the sixth president of the university in October of 1996 and served until December of 2003. Robert Galecke, senior vice-president for Finance and Administration served as interim president until July 2004 when Dr. Francis Lazarus took office as the seventh president of the university. When Dr. Lazarus retired in August 2009, Galecke again assumed the position of interim president. Thomas W. Keefe became the university's eighth president on March 1, 2010.

Members of the Cistercian Order and the Sisters of Saint Mary of Namur, together with three Franciscan fathers and a number of laymen, comprised the original faculty of the University of Dallas. The Franciscan fathers departed after three years. Dominican priests joined the faculty in 1958 and established the Albert the Great Priory. The School Sisters of Notre Dame came in 1962. The Cistercians now have a permanent abbey, church and a college preparatory school for boys adjacent to the main campus.

Over time, the faculty has become largely lay of many faiths and counts numerous distinguished scholars among its members. Accreditation by the Southern Association of Colleges and Schools came in 1963 and was reaffirmed in 1973, 1984, 1994 and 2004. In November of 1996 the university was the first institution to be accredited by the American Academy of Liberal Education, an association which recognizes outstanding liberal arts institutions. Significant honors have been won by university graduates since the first class in 1960 which earned Fulbright and Woodrow Wilson awards for graduate studies.

His Excellency Thomas Tschoepe succeeded Bishop Gorman and served as grand chancellor of the university until his retirement as Bishop in 1990 when Bishop Charles Grahmann, his successor, assumed this position. In 2007 Kevin Farrell was appointed Bishop of Dallas and Grand Chancellor following Bishop Grahmann's retirement.

A gift of seven and one half million dollars from the Blakley-Braniff Foundation established the Braniff Graduate School in 1966 and allowed the construction of the Braniff Graduate Center, Tower and Mall. The Constantin Foundation similarly endowed the undergraduate college with gifts in 1967 and 1969. In 1970 the Board of Trustees named the undergraduate college the Constantin College of Liberal Arts. Gorman Lecture Center and the Maher Athletic Center were completed in 1965. A legacy from the estate of Mrs. John B. O'Hara established the Summer Science Institute in 1973.

Holy Trinity Seminary was founded in 1965 and occupied its present facilities adjacent to the main campus in 1967. The Graduate School of Management began in 1966 and offers the largest MBA program in the Southwest. Influential graduate programs in Art and English also began in 1966. In 1973, the Institute of Philosophic Studies, the doctoral program of the Braniff Graduate School and an outgrowth of the Kendall Politics and Literature Program, was initiated. The Institute for Religious and Pastoral Studies began in 1987; it became the School of Ministry in 2007. The College of Business, incorporating graduate and undergraduate business, opened in 2003.

In 1975 the University Center was doubled in size and named for J.M. Haggart, Sr. and an addition was made to the Haggerty Art Center. The University Apartments, a facility for upper division students, opened in 1980. 1985 saw the completion of the Patrick E. Haggerty Science Center and the Chapel of the Incarnation. A chapter of Phi Beta Kappa, the prestigious honor society, was granted in 1989. In 1992, Anselm Hall, the first dormitory, was renovated and the Fr. Thomas Cain courtyard adjoining it was dedicated.

On June 11, 1994, the university dedicated permanent facilities for its Rome Program begun in 1970. The 12-acre Constantin Campus, *Due Santi*, near Albano, Italy, is 20 kilometers from the heart of Rome.

The dormitory renovation program continued and 1998 saw the addition of a handsome baseball field. In 2000 major additions to the Haggerty Art Village were completed and the east side of campus was redeveloped. In 2002, a women's softball complex was added and a new Dominican Priory facility opened. Renovation of and addition to the Maher Athletic Center was completed in 2003. In January 2010, West Hall, a new 298-bed residence hall opened on the west side of campus.

In 2006 the university completed an 18-month series of events celebrating its 50th Anniversary. The Anniversary Gala, September 22, 2006, welcomed over 1000 alumni, faculty and donors to celebrate the opening of the university, virtually 50 years from the actual date, September 24, 1956.

The College of Business earned accreditation from the Association to Advance Collegiate Schools of Business (AACSB International) on December 28, 2012. A multi-million dollar gift in November 2013, from graduate business alumni Satish and Yasmin Gupta, funded the construction of SB Hall, completed in 2016, a university academic building that provides classrooms, meeting spaces and offices for business faculty and staff. The college was named the Satish & Yasmin Gupta College of Business in their honor.

Today the university enrolls over 2,500 students from all over the United States and the world, divided roughly into 1350 full-time undergraduates; 900 largely part-time graduate business students; and over 300 students in the Braniff Liberal Arts and School of Ministry programs.

Campus

From the campus of the university, one of the highest points in the area, the skyline of Dallas dominates the view.

The University of Dallas is located in Irving, Texas, a city of almost 250,000 residents, on the northwest boundary of the city of Dallas. In the center of the metroplex, the campus is ten miles from the Dallas-Fort Worth Regional Airport, 15 minutes from downtown Dallas and 40 minutes from Fort Worth. L.B. Houston Nature Preserve, along the Elm Fork of the Trinity River, forms part of the eastern boundary of the campus.

The major portion of the campus is situated around the Braniff Mall, a gathering place for the university community. The symbol and landmark for the university is the Braniff Memorial Tower.

John W. Carpenter Hall (1956), the original classroom building, now houses the central administrative offices, classrooms and the Modern Language Center.

Lynch Hall (1956), named for Joseph Patrick Lynch, Bishop of the diocese from 1911-1954, is a multi-purpose amphitheatre-style lecture hall and the home of the Student Government Movie Series and other extracurricular concerts and lectures.

The Haggerty Art Village (1960, 2001) is a complex of five buildings situated in the trees on the northeast side of campus. The first building, designed by O'Neil Ford, was completed in 1960. Subsequent structures have been designed by Landry and Landry and Gary Cunningham. The complex includes instructional studios, galleries, classrooms and ample public spaces. It was completed in 2000-2001.

The William A. Blakley Library (1962) provides access to over 320,000 volumes, more than 120 databases, and over 63,000 full-text publications online. The library is open more than 98 hours per week to serve university students, faculty, and staff. Reference services, including individual and group instruction, real-time chat, and SMS text services are available during select hours. Within the library, the Blakley Research and Information Center (BRIC) is a 20-station computer lab used for library instruction, and is available as an open lab all other times during regular operating hours. The library contains several group study rooms that are available for advanced booking. The library's website, www.udallas.edu/library, contains the online catalog and electronic resources including online journals and e-books. Interlibrary loan services are available for requesting materials not owned by the library. The collections of materials for general reading, serious study, and research reflect the university's interest and emphasis on academic excellence.

In 2001 the university established a **History/Archives Center** to begin preparing for its 50th anniversary in 2006. The Center is located in the lower level of the Blakley Library and entered from the Haggar Circle area across from the Haggerty Art Village. It serves as both a mini-museum and archive. Collections of papers, photographs and audio-visual materials pertaining to the university have been and are being organized through staff and volunteer help and are available for in-person research. Consult the Library and Alumni websites for complete listing.

The Gorman Lecture Center (1965) is named for the founding Bishop of the university, Thomas K. Gorman. Completed in 1965, it contains a variety of instructional areas and social spaces.

The Margaret Jonsson Theater and Courtyard (1972) houses a handsome 80-seat theater and scene shop. Using an older campus building, the renovations and extensions were made possible by a gift from Mr. and Mrs. Erik Jonsson.

The Braniff Graduate Building (1966), a gift from the Blakley-Braniff Foundation in memory of the founder of Braniff International Airways, contains classrooms, seminar rooms and offices for the graduate faculty and administration and provides temporary space for the collections of the University Library.

The J. M. Haggar, Sr. University Center (1976), made possible through the Haggar Foundation and other bequests, is a handsome facility which includes the university dining room, Rathskeller, bookstore, post office, game room, the Student Leadership and Activities Center, Student Life and Government offices, Chaplain's office, clinic, Visiting Professor Suite and meeting and reception rooms. This award-winning facility, dedicated in 1976, is located on the Braniff Mall.

The Braniff Memorial Tower (1966), at the south end of the mall opposite the Braniff Graduate Building, rises 188 feet above the campus. The Tower is a memorial to Tom and Bess Braniff. It serves as a landmark and as a symbol of the university. The Braniff Tower houses four bronze bells, The Cowan Bells. A gift of the King Foundation, the bells are named in honor of Donald A. Cowan, president of the university (1962-1977) and Louise S. Cowan, professor of English, who designed the literary tradition sequence. Dr. Cowan named the bells. The "F" bell, the great bell, is named for St. Columba, who as priest and poet wedded the old tradition with the new in Ireland and whose voice is said to have "boomed from the mountains." St. Agatha, who, in her martyrdom, became the patroness of bells, carries the name of "A" bell. The "C" bell is named for St. Catherine of Alexandria who, through clarity and beauty of speech, became the guide of the Christian philosopher. The smaller "F" bell, whose sound is heard above the others, is named for St. Andrew who proclaimed the splendor of the Word of God.

The Patrick E. Haggerty Science Center (1985), a 60,000-square-foot teaching and research facility, completed in 1985, commemorates an outstanding industrialist and scientist and one of the university's most dedicated trustees.

The Church of the Incarnation (1985), an exquisitely designed and crafted 500-seat church, was completed in 1985. In addition to the main worship space, the award-winning church includes the St. Thomas Aquinas Eucharistic Chapel.

O'Connell Hall (1956), **Theresa Hall (1958)** and **Madonna Hall (1964)** are located on the **East side of campus**. They house 200 students. **O'Connell Hall** is named in honor of the late Sister Mary Margaret O'Connell of the Sisters of St. Mary of Namur, who served as registrar of the university from its opening until her death in June 1973.

Augustine Hall (1958), **Gregory Hall (1964)** and **Jerome Hall (1965)** are the residence halls on the **West side of campus**. They house about 300 students. In addition Augustine Hall houses the Rome office, Career Development and faculty offices.

West Hall (2010) is located on the **West side of campus** between the student apartments and the athletic fields. Opened in January 2010, this 128,000 square-foot, co-ed dorm houses 298 residents. The building includes common areas for gathering with friends, studying lounges, a media entertainment room and a large outdoor courtyard area. West Hall is reserved for continuing students. Students may choose between single rooms, double rooms and three-bedroom suites.

The University Apartments (1980) located along Soledad Drive, opened in the fall of 1980. These small clusters house upper division undergraduate students in one (two-student occupancy) and two (four-student occupancy) bedroom apartments. Students have the option of preparing their own food or participating in the university food service plan.

Catherine Hall (1965) houses the School of Ministry and the Drama Department's Costume Shop.

Anselm Hall (1956) houses Satish & Yasmin Gupta College of Business faculty offices and the faculty support office with classrooms on the second floor.

The Ed Maher Athletic Center and Athletic Complex (1967) named in honor of one of the university's principal founders and most devoted trustees, includes a gymnasium, outdoor swimming pool, tennis courts, soccer and baseball fields. In 2003 it was renovated adding offices and a wellness center.

SB Hall (2016) is a university academic building that houses classrooms, meeting and social spaces and offices for the faculty and staff of the Satish & Yasmin Gupta College of Business. The 46,000 square foot state of the art three-story building is named for the company, SB International, which was started by the Guptas as they were finishing their MBA's at the university. The twelve million dollar grant made possible both the building and the naming of the College of Business in their honor.

Holy Trinity Seminary (1965) is the residence of students preparing for the diocesan priesthood who attend classes at the university. It has complete religious, housing and athletic facilities.

The Priory of St. Albert the Great (2002) is the residence of the Dominican Fathers, who, since 1958, have served as chaplains and professors.

The Cistercian Abbey of Our Lady of Dallas (1958) provides accommodations for monks of the Cistercian Order, most of whom came to the United States from Hungary to pursue their apostolic-academic vocation. The Cistercians operate an excellent preparatory school at the same site. Several members of the community are professors at the university. The precinct includes an award-winning monastery church.



Trustees, Administration, Staff

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Susan Rhame	Interim Associate Dean, Satish & Yasmin Gupta College of Business
John Wong	Associate Dean, Satish & Yasmin Gupta College of Business
Nicole Anderson	Assistant Dean, Satish & Yasmin Gupta College of Business
Kathy McGraw	Registrar
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Elizabeth Griffin Smith	Director of Admissions
Denise Phillips	Director of Campus Ministry
Charles Steadman	Director of Campus Safety
Taryn Anderson	Director of Financial Aid
Rebecca Davies	Director Rome and Summer Programs
Julie Janik	Director of Personal Career Development (OPCD)
Dore Madere	Director of Student Life
Rev. Donald Dvorak	University Chaplain

EMERITI

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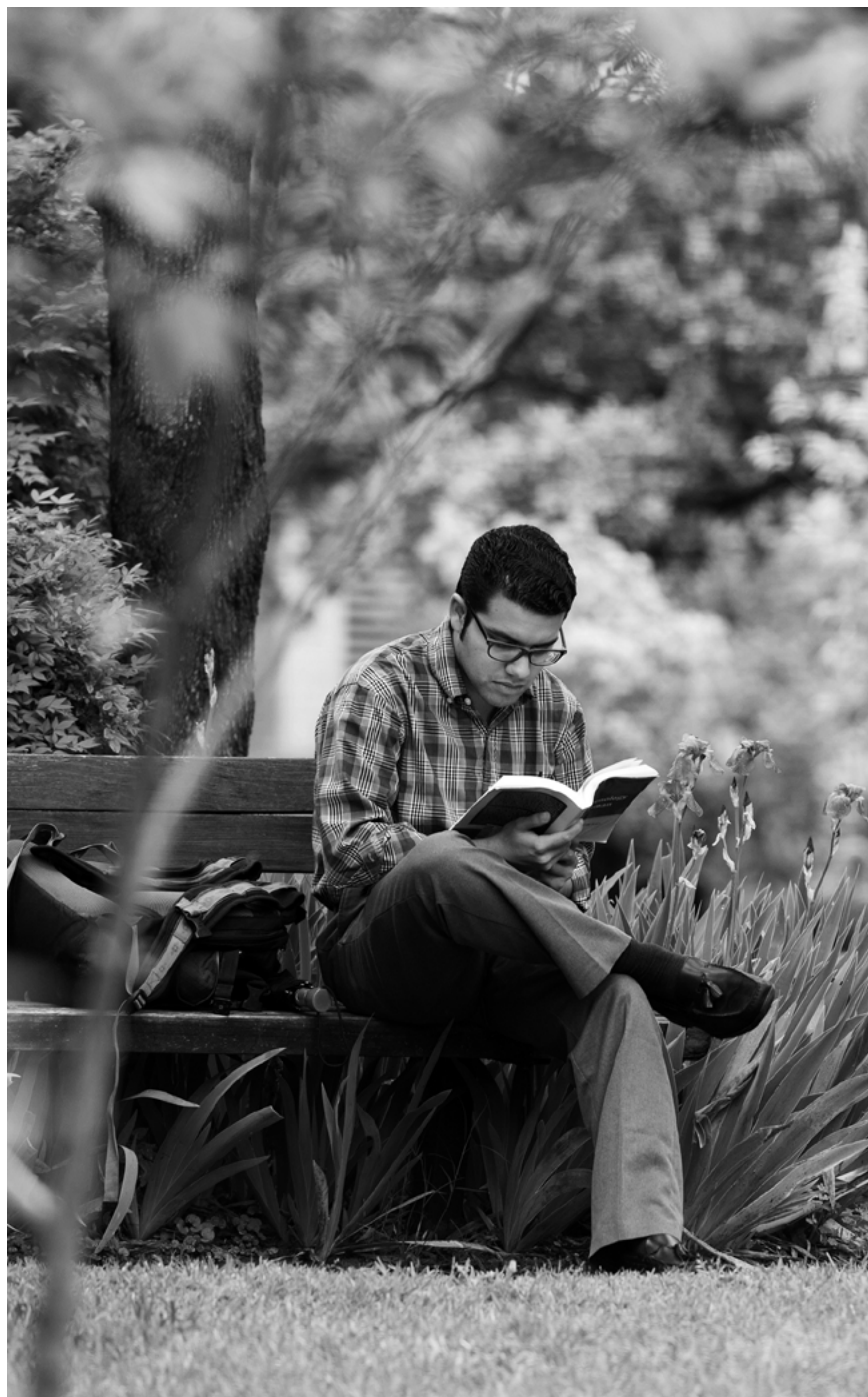
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Academic Policies and Procedures

REGISTRATION

Registration for new students is held according to the dates specified in the calendar at the back of this bulletin, in the Schedule of Classes for the particular semester or term, or in the registration directions provided each student. Deadlines may change slightly as the semester or term approaches. It is the responsibility of the student to be aware of any changes. New students should register on the *regular* registration days as indicated on the above mentioned schedules. They may register through the day specified as the last day for registration.

All continuing students, undergraduates and graduates, should register during the appropriate Early Registration periods. Participation in the process allows for adequate academic advising of the student and provides the university with information needed to plan for the next semester. Continuing students who register late for a fall or spring semester (as defined by the calendar, published schedule, or registration directions) will be assessed a fee of \$100.

CREDITS

The credit given for each course is indicated by the second digit of the course number listed with the description of the course. Credits are awarded on the basis of the university's credit-hour policy. Normally, one credit represents a minimum of 15 hours in lecture or seminar periods per semester. Studio and laboratory periods represent a minimum of 30 hours per credit but may exceed this number in particular disciplines.

COURSE NUMBERS

The four-digit numbering system is interpreted as follows: the first digit indicates the level of the course; the second digit is the number of credits available; the third and fourth digits are chosen by the department offering the course. The first (level) digit follows this pattern: 1 and 2 indicate freshman and sophomore year courses, 3 and 4 are advanced courses, 5 shows that the course is for seniors or graduate students and courses numbered 6 and above are graduate-level courses. A "V" in place of the second (credit) digit indicates a course in which credits may be arranged at the beginning of each semester for a group of students or an individual student on a variable system at the time of registration by permission of the instructor.

The numbers 5301-5310 are reserved for undergraduate courses taken for graduate credit. Appropriate additional work is assigned to the graduate student.

Occasionally, an advanced undergraduate is allowed to take a graduate course (6000 or above). Permission of the instructor and the appropriate graduate dean is required. If the student agrees to fulfill all graduate requirements of the course, the official course number stands. However, the student may petition to satisfy a lesser set of course requirements in which case the number 5300 is assigned to indicate the course was completed at the undergraduate level.

CONSORTIUM ARRANGEMENTS

In certain degree programs undergraduate students with advanced standing may study at other universities through the university's *standing consortium agreements*. Consortium enrollment must be recommended by the major department and must be full time. Arrangements must be made well in advance with the major department, the Financial Aid Office and the Registrar's Office from which more exact guidelines may be obtained. For program-specific fees, consult the appropriate department.

A consortium agreement with a college or university *not covered under a standing agreement* is possible only if a department chair wishes to recommend such an agreement and is able to verify the content and validity of specific proposed courses. A student requesting such an arrangement must make the request at least six months before the beginning of the proposed semester of study. As with regular consortium agreements, the student must be degree-seeking and enrolled full time. If the agreement is approved, the student must fulfill the rest of the requirements and the credits and grades will be posted as transfer credit, *i.e.*, the grades are not included in the university GPA. For program-specific fees, consult the appropriate department.

CLASS ATTENDANCE POLICY - UNDERGRADUATES

Class attendance is assumed. Unexcused absences from three class hours in any one course shall be reported to the Registrar, who then warns the student. If any further unexcused absences occur, an instructor may, at any time before the last day of classes, require that the student be withdrawn for excessive absences by notifying the Registrar in writing. A "W" is assigned through the withdrawal deadline, generally the 10th week of class. After the withdrawal deadline an "FA" is assigned. The Registrar notifies the student of the instructor's action and invites the student to consult with the instructor. The instructor's decision is final.

Student Absences due to Athletic and University-Sponsored Events

Students who are absent from classes for games and travel-related athletic and other university-sponsored events approved by the appropriate academic dean should not be penalized for these absences under the following conditions:

- The student has met with the instructor to discuss upcoming classes for which there are conflicts with a university event. This meeting should be as far in advance as possible (typically by the second week of class for events already scheduled for the semester).
- The student has not missed more than three hours of class time in a three-credit hour course (and similarly and proportionally for courses with fewer or more credit hours).

If the absence requires make-up work, the instructor should work with the student to make reasonable arrangements for the missed work, classes, and examinations. The student is responsible for completing the make-up work on time.

This policy does not extend the number of days students may miss class; the cap for missed days is set by the Class Attendance Policy, which is currently 3 hours for a three-credit hour class.

CLASSIFICATION OF STUDENTS

A student who has earned fewer than 30 credits is classified as a freshman; from 30 to 59 credits, a sophomore. To be classified as a junior, a student must have earned 60 credits. A senior is one who has earned 90 credits and is capable of finishing in one year all requirements for a degree.

A special student is one who is not enrolled as a candidate for a degree. Special students who wish to become candidates for degrees must fulfill the requirements of the university and secure the approval of the Admission Committee.

COURSE LOAD

A full-time undergraduate student is one enrolled for a minimum of 12 semester hours; full-time for graduate students is 9 semester hours. Most undergraduates pursue approximately 15 credits per semester, *i.e.*, five regular courses. Because of the demanding academic load, undergraduate students may not take six regular courses in the fall or spring semesters unless they have a cumulative grade point average of 3.0.

GRADES AND QUALITY POINTS

<u>Grade</u>		<u>Quality points</u>	<u>Grade</u>		<u>Quality points</u>
A	Superior	4.0	C	Adequate	2.0
A-		3.7	C-		1.7
B+		3.3	D+		1.3
B	Good	3.0	D	Passing*	1.0
B-		2.7	D-		0.7
C+		2.3	F	Failure	0.0

*Undergraduates only; failing for graduate students

W Withdrawal from course with permission of the Dean and instructor by the end of the tenth week of class. No drops are allowed after this date except for medical reasons or other extenuating circumstances judged appropriate by the instructor and the Academic Discipline Committee.

Because of the distinct calendar and nature of the Rome Program, different course withdrawal regulations apply. See Rome section in this bulletin.

WA Withdrawal from an audit. Students who register to audit a course are expected to be present at least fifty percent of the time. The professor may request that the student be withdrawn if this is not the case.

FA Failure due to absences. This grade is assigned by the instructor after the 10th week of classes because of the student's failure to comply with absence regulations. It is a failing grade and is included in the grade averages.

MW Indicates withdrawal for medical reasons as certified by a personal physician or the university Health Service.

I Incomplete. Grade given in a class if a student is unable to complete all assignments by the end of the semester and the reasons for the delay have been accepted by the professor. "I" grades in *undergraduate* courses which are not removed within the first four weeks of the following semester will be changed to "F". If required work is submitted by this due date the final grade is placed after a slash next to the "I", which is not removed.

UW Unofficial withdrawal. Assigned by the Office of the Registrar when there is no record of withdrawal from a course or courses or evidence of presence in or completion of the course or courses. The "UW" grade may be considered as an "F" grade upon review of the application for readmission.

AD Audit. Non-credit participation in a regularly scheduled course. No final grade assigned or credit awarded, but the student is expected to attend at least fifty percent of the classes. The decision to audit a course must be made by the fifth week of the particular semester or its equivalent in shorter terms.

T A temporary grade assigned if an extended time period for completion of the course is a *planned* part of the course. If work is submitted by the due date established, the

"T" grade is completely removed from the student's record. The "T" grade may also be assigned by the Dean when an extraordinary situation prohibits the professor from providing a final grade in a timely manner.

P Pass in a P/NP course.

NP Non-passing grade in a P/NP course. It is not included in the grade average.

COURSE WITHDRAWAL

Withdrawal from the university must be with written permission of an Academic Dean. For undergraduates, withdrawal from a course requires advisor and Professor signatures. Students are not permitted to withdraw from courses during the last five weeks before the final examination period. Courses that meet on a special calendar have a separate withdrawal deadline.

GRADE REPORTS

Midsemester grades of "D" and "F" are reported to all undergraduate students and upon request, to the parents of students who are dependent according to section 152 of the Internal Revenue Code. They are not part of the permanent record. Reports of final grades are available to students online at the end of the semester. They are available to parents of students who are dependent as indicated above.

GRADE POINT AVERAGE

The university grade point average will be calculated according to the values given under "Grades and Quality Points." Grades of "I" earned by undergraduates are averaged into the grade point average as "F" grades until completed. Grades earned in college courses taken at other institutions do not affect the students' cumulative university grade point average. The grade point average is found by dividing the total number of quality points earned by the total number of GPA hours. In order to receive a degree, an undergraduate must attain a cumulative grade point average of "C" (2.0). Not more than 30 credit hours passed with a grade of "D" are acceptable for graduation. Generally, students are not allowed to attempt six regular courses unless they have at least a 3.0 GPA. Only six credits of *graded* research or internship will be included in the GPA.

GRADE CHANGES

When students believe that a final grade has been miscalculated, they should ask the professor to review the matter. This request must be made within 30 days of the end of the semester to which the grade in question applies. If a grade change is warranted, the professor will report the new grade to the Registrar. No grade change will be accepted after 30 days unless authorized by an Academic Dean.

The basis for a grade change request can only be the miscalculation of a grade. Requests for an increase in grade for the sole purpose of student eligibility for academic honors, scholarships, financial aid, Rome participation, or for graduation, or to prevent probation, suspension, or dismissal for academic deficiencies, will not be accepted. Except in unusual circumstances and only with prior approval of the Dean, students may not request or provide additional work for the purpose of increasing a grade after the final grade has been submitted to the Registrar.

If students wish to appeal the professor's decision, or if students are unable to contact the professor, they may submit a written request for a review by the appropriate Academic Dean. This request must be filed within 30 days of the end of the

semester. The Dean or Dean's designee will then talk with the student and professor and will attempt to resolve the dispute about the grade. Failing such a resolution, the professor's grade will stand.

HONOR ROLL AND DEAN'S LIST

Determination of the Honor Roll and Dean's List is based on grades and credits as of the time grades are run. A student earning 15 or more University of Dallas credits in a semester and achieving a semester grade point average of 3.0-3.49 is placed on the *Honor Roll*. A student earning 15 or more credits in a semester and achieving a semester grade point average of 3.5 or higher merits the distinction of being placed on the *Dean's List*.

EXAMINATIONS

At the end of the semester there is a two-hour written examination in each course. This final examination covers the work of the entire semester. No students are exempt from the final examination. Unexcused absence from a final examination may constitute a failure. Permission to make up an examination missed because of extenuating circumstances may be granted by an Academic Dean.

LEAVE OF ABSENCE

It sometimes becomes necessary for students to leave the university for a semester or two. In order to facilitate their return, students should apply for a Leave of Absence, indicating the probable semester of re-enrollment. This notification will assist the university in providing students with a more automatic reinstatement of matriculated status, financial aid and housing reservations. Leave of Absence forms are available in the Registrar's Office. Students on scholarship who file the Leave of Absence Form will have the scholarship reinstated unless the student attends another institution during that time.

REPEAT AND CANCEL POLICY

- 1) The Repeat and Cancel policy may be used only by students working toward a *baccalaureate* degree. The Repeat and Cancel policy may not be used by graduate/post-baccalaureate students working on Master's degrees, graduate certifications, teaching credentials, or by "undeclared" graduate students, even when taking undergraduate courses.
- 2) In case of a repeated course, the subsequent grade (whether higher or lower than the first grade) is substituted for the earlier in the computation of units attempted and grade point average (GPA). The previous course grade(s) remain(s) on the record, but is annotated as being excluded from grade-point average calculations. Any credits earned for the previous course are also excluded.
- 3) Repeat and Cancel may be used only on courses taken and repeated at the University of Dallas.
- 4) Repeat and Cancel may be used for up to a total of fifteen (15) semester units taken at the University of Dallas.
- 5) Repeat and Cancel may be used *only* on courses with grades below C-.
- 6) A student may repeat a course for credit only once using this policy.

Other than this limited repeat and cancel policy, Constantin College counts the first grade earned in a course if the grade is passing (at least D- in lower division

courses and in non-major advanced courses, or at least C- in advanced courses in major field). That is, the first grade stands even if the course is repeated and a better or lesser grade is received. The repeated course is not calculated in the grade point average nor counted in hours for the degree if the first course was "passing" as defined above. If the first course grade was not passing, both grades are included in the grade point average. The student may not repeat a course for additional hours toward a degree unless the catalog description specifically states that the course may be repeated for credit.

ACADEMIC DISCIPLINE-UNDERGRADUATES

The university sets high standards for students and expects them to make normal progress toward completion of their baccalaureate program. At the same time, it believes that students who have initial academic difficulty should be encouraged to persist in their programs and should be given the support they need to succeed. The academic discipline policy is one of the ways in which the university balances these two goals.

At the end of each semester, the grades of all students are reviewed by the Academic Deans. The record of students who have encountered academic difficulty during the semester is shared with academic advisors who work with students to identify problems and develop a plan for improvement. Students whose academic difficulty warrants disciplinary action according to the following policy will be contacted promptly about that action.

With the exception of one warning semester, full-time students (those who attempt at least 12 credits/semester) achieve and maintain good standing by earning a semester GPA of at least 2.0 and earning passing grades in not less than nine credits. Full-time students earn a minimum of 24 credits per academic year to make satisfactory progress toward the degree.

Use of the repeat and cancel policy does not affect academic discipline retroactively. Students who earn a semester GPA less than 2.0 in at least 12 credits, make passing grades in less than nine of 12 credits, or who complete less than 48 credits in their first two Academic Years and 24 credits per Academic Year thereafter, are subject to the following guidelines:

Students who earn a semester GPA less than 2.0 or earn passing grades in less than 9 of 12 credits in any full-time semester receive an academic warning. Students who earn less than 2.0 or earn passing grades in less than 9 of 12 credits in a second full-time semester earn academic probation. Students who earn a semester GPA less than 2.0 or earn passing grades in less than 9 of 12 credits for a third full-time semester earn suspension for one semester. In addition, students who earn less than 48 credits in two Academic Years are subject to probation or suspension. Students who fail to make satisfactory academic progress for a subsequent Academic Year earn the next level of suspension. Annual academic reviews occur after Mayterm.

Students returning from suspension are on probation. If they earn a semester GPA less than 2.0 or earn passing grades in less than 9 of 12 credits for a fourth full-time semester, they will be suspended for two semesters. If students returning from this second suspension earn a semester GPA less than 2.0 or earn passing grades in less than 9 of 12 credits for the semester, they will be dismissed. Students who earn less than 24 credits for a 4th academic year will be suspended for two semesters; students who earn less than 24 credits for a 5th academic year after they return from second suspension will be dismissed.

Full-time students who have received an academic warning remain in academic good standing in the subsequent semester. Full-time students who earn probation are not in academic good standing in the subsequent semester.

With prior approval of an Academic Dean, students who are suspended from the university may take courses at other accredited universities and transfer them toward their elective credits at UD, providing they achieve a minimum of 2.0 in each course transferred. Courses taken elsewhere will not affect the students' cumulative GPA. Students should also consult the Office of Financial Aid before taking courses elsewhere since their financial aid package may be affected. An appointment with the Dean is required before returning to the university.

Part-time students (those attempting less than 12 credits in a semester) must earn a semester GPA of at least 2.0 for good standing. Part-time students receive an academic warning the first semester they earn less than 2.0. The second semester they earn less than 2.0 they are placed on academic probation. The third semester they earn less than 2.0 they are suspended.

Students may take no more than four regular courses, totaling no more than 14 credits, at the university while on probation. Students on academic probation are not permitted to be candidates for or hold any elected or appointed office or participate in intercollegiate sports. Appeals to the dean for exemption from the credit restriction policy will be considered only for the most extraordinary circumstances.

ACADEMIC HONESTY

The university is a community dedicated to learning and research, both of which include the transmission of knowledge. In striving to learn, we are often dependent on what others have achieved and thus become indebted to them. Courtesy, gratitude and justice require that we make public our reliance on and use of the ideas and writings of others. At the time of matriculation, all students are informed of the academic honesty policy as described below and asked to sign a paper or electronic form indicating their understanding of same.

Plagiarism

An attempt to claim ideas or writings that originate with others as one's own is a serious offense against the academic community. Plagiarism is not mitigated by a paraphrase or even by an extensive rewriting of another's work. Whenever ideas or words are borrowed, the student must give credit by citing the source. The same principle of honesty applies to the use of modern technologies like the computer—sources of information must be accurately credited.

A student who submits plagiarized work is subject to disciplinary action. An instructor who discovers that plagiarized work has been submitted in fulfillment of course requirements shall immediately inform the student, allowing him or her the chance to explain the circumstances. If, after conferring with the student, the instructor still considers the student's work to be plagiarized, then the instructor will compile the materials of the case, including the piece of work that may have been plagiarized, any sources from which the student plagiarized and a report of the instructor's conversation with the student. The instructor will submit these materials to the appropriate Academic Dean.

If the student acknowledges in writing that he or she has plagiarized, the case does not go to an Academic Discipline Committee. Instead, the instructor assigns a grade on the work and a grade in the course, up to and including failure in the course. The appropriate Academic Dean reviews the case and decides on a penalty beyond the grade as necessary.

If the student does not acknowledge the plagiarism, the appropriate Academic Dean will submit the case, with all relevant materials, to the Academic Disciplinary Committee of the student's school. That disciplinary committee will conduct its own investigation and will hold a hearing at which the student, representing him or herself, will be invited to present his or her case and to respond to the committee's questions.

The committee will decide solely on whether the student did plagiarize and will base its decision only on the evidence, not on mitigating or extenuating circumstances.

If the committee finds that *plagiarism did occur*, it will convey its findings to the instructor and to the appropriate Academic Dean. The instructor will assign a grade to the material in question and a grade for the course, up to and including failure in the course and shall report these grades to the appropriate Academic Dean. The Dean shall hold a show-cause hearing with the student on why he or she should not be dismissed from the university and shall decide on any penalties beyond the grade, up to and including dismissal from the university.

If the appropriate Academic Discipline Committee decides that the work is *not plagiarized*, the committee will inform the instructor of its decision. The instructor shall then compute a grade for the piece of work and the course without regard to plagiarism, but solely on an evaluation of the quality of the student's work. The case against the student is then dropped.

Repeat offenses are subject to further disciplinary action including, but not limited to, academic suspension and dismissal.

Adequate procedures for dealing with instances of plagiarism in off-campus programs will be determined by the appropriate Academic Dean in consultation with the Director of that program.

The standard procedure in a case of plagiarism discovered in a thesis or dissertation is termination of work toward the degree. The standard procedure in a case of plagiarism discovered in a thesis or dissertation after the degree has been granted, regardless of the length of time ensuing, is revocation of the degree.

Cheating

The integrity of examinations is essential to the academic process. A student who cheats on examinations or other work submitted in fulfillment of course requirements is subject to disciplinary action. When cheating is discovered during the examination itself, the instructor or proctor is to take up the examination and dismiss the student from the examination for a later appearance before the instructor. The review of all cheating cases and the imposition of penalties will follow the procedure explained under "Plagiarism."

Course Requirements

Clearly there are relationships between ideas considered, texts read and assignments given in courses. However, students should understand that requirements are unique to the particular course. That is, it is unethical and thus a case of academic dishonesty to submit the same work for more than one course unless there is prior agreement between the professors concerned about the cross-course nature of a project.

CLASSROOM CODE OF CONDUCT

Respect for learning, for professors and for fellow students is to be shown at all times in all learning environments. The complete Classroom Code of Conduct is found in the Student Handbook.

FEDERAL REGULATIONS

Unlawful Discrimination and Harassment

The university prohibits all forms of unlawful discrimination, including sexual harassment, i.e., discrimination based on race, color, religion, sex, age, disability, national origin or citizenship. As a Catholic institution, the university may take actions based on religion in many areas (for example, in student admissions and administrative faculty

appointments) and may establish a university approved code of conduct based on the teachings of the Catholic Church. Specific policies and procedures are published in the student, faculty and staff handbooks. The following person has been designated to handle inquiries regarding the non-discrimination policies: Jeffrey Taylor – Section 504/ADA Coordinator – Title IX Coordinator – Age Discrimination Act Coordinator – A101 Blakley – 1845 E. Northgate Dr., Irving, TX. 75062 – 972-721-5385.

Section 504 and Americans with Disabilities Act

The university will not exclude or impede an otherwise qualified individual, by sole reason of disability, from submitting an application for employment or from participation in university programs and activities.

The university will provide any and all reasonable accommodations to facilitate applicants, students, employees and guests with disabilities access to and participation in university programs, events, classes and administrative activities. The Director of Human Resources, Carpenter Hall, 972-721-4054 will designate an individual to coordinate and comply with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act.

University departments sponsoring events that are open to the public must include as part of the event announcement the clause: *Persons with disabilities needing special assistance to attend should contact the Student Disabilities Coordinator at 972-721-5385 at least 72 hours before the event.* The university will provide reasonable accommodation to those requesting assistance, see Student Accessibility Services section for additional information.

Employees and students who complain of any alleged violations of the Rehabilitation Act of 1973 or the Americans with Disabilities Act may present their complaint to the Section 504 Coordinator.

The Coordinator assists in an information resolution of the complaint or guides the complainant to the appropriate individual or process for resolving the complaint. Complainants who are not faculty, staff, or students who are not satisfied with the resolution of the problem by the Coordinator may ask the Vice-President and CFO to review their situation. The decision of the Vice-President and CFO will be final.

Title IX

The university does not discriminate on the basis of sex in its programs and activities. Any person alleging to have been discriminated against in violation of Title IX may present a complaint to the Title IX coordinator. The coordinator assists in an informal resolution of the complain or guides the complainant to the appropriate individual or process for resolving the complaint.

Title IX Coordinator

The university has designated Jeffrey Taylor as the Title IX Coordinator. His office is located in A101 Blakley; his phone number is (972) 721-5385. For more information about the Title IX process, go to http://www.udallas.edu/offices/hr/adaaa/title_ix.html.

Release of Information

Section 438 of the General Education Provisions Act (the Buckley Amendment) sets up requirements designed to protect the privacy of records for students and for parents of dependent students. Once a year the university informs students about the right of access to their official file and limitations thereon. It also informs students of those things which are considered "directory information" according to the law, i.e., which can be released without permission. These include the following: the student's name, address, telephone listing, e-mail address, date and place of birth, major field of study, classification, participation in officially recognized activities and sports, honors, weight and height of members of athletic teams, dates of

attendance, enrollment status, degrees and awards received and the most recent previous educational agency or institution attended by the student.

It is also permissible for the university to release information from a student's educational record to a parent, provided the student is a "dependent" as defined in Section 152 of the Internal Revenue Code of 1954. *Students may withhold directory information by notifying the Registrar in writing.* Requests for non-disclosure are honored for only one academic year; therefore, authorization to withhold directory information must be filed annually in the Registrar's Office.

TRANSCRIPT POLICIES — UNDERGRADUATE AND GRADUATE

- 1) No official transcript or other evidence of attendance is issued to or for a student who is in debt to the university until such indebtedness has been paid in full. In addition, transcripts are not issued to a student who is in default on an educational loan.
- 2) Transcripts are issued only at the request of the student or appropriate institutions and officials.
- 3) All official transcripts are either photostatic or computer-generated copies of the student's permanent record in the Office of the Registrar. For each official copy a fee of \$4.00 is assessed. A fee of \$10.00 per transcript is charged for one-day service.
- 4) Transcripts which have been presented for admission or evaluation of credit become a part of the student's permanent record and are not reissued. Transcripts from other institutions, if needed, must be obtained directly from the original issuing institution.
- 5) Transfer work from other institutions will not be recorded on the university record unless the student is a degree candidate at UD.
- 6) Disciplinary actions, whether academic or non-academic, are not recorded on the transcript.
- 7) Since the academic transcript consists of all academic work completed in all credit programs, requests to release only a portion of the transcript or to exclude any part of it will not be honored. If the student does not authorize the release of the complete record, the transcript will not be released and any fee paid will be returned.

TRANSFER OF CREDIT POLICY

Transferred credit must be applicable to current University of Dallas degree programs. Credits transferred from a junior college shall not exceed 60 credits. Grades below C- do not transfer for undergraduate credit at the University of Dallas. In special circumstances for courses not required for the major a student may appeal this decision to the appropriate Dean.

Students currently matriculated in an undergraduate degree program may not transfer credit from a course taken at another college or university unless they obtain written permission from the offering department on this campus prior to enrolling in the course. To request transfer approval, students must complete a Transfer Credit Request Form from the Office of the Registrar and submit it, along with the catalog description and/or course syllabus of the proposed course, to the relevant department chair for the approval signature. Students must then return the signed form to the Office of the Registrar prior to enrolling in the course. Grades earned at other institutions are *not* averaged with grades at the university except when the student

is being considered for graduation with honors. See "Undergraduate Graduation Honors." Credit is not transferred without approval.

COMMENCEMENT INFORMATION

Graduation

The university observes the custom of a single graduation ceremony at the closing of the spring semester. For the benefit of graduates who complete all requirements at other times during the academic year, diplomas are awarded in August and December. Undergraduates within two courses of graduation in August are invited to participate in May Commencement to the extent to which they are eligible at that time. An additional ceremony in December is confined to the Satish & Yasmin Gupta College of Business graduate program.

Awarding of Degrees

Upon recommendation by the respective faculties, all degrees are granted through the appropriate Dean and the President by the Board of Trustees.

Undergraduate Graduation Honors

The baccalaureate degree with distinction, awarded to students who have maintained a high degree of scholastic excellence, is of three grades; *cum laude*, which requires a grade point average of 3.40; *magna cum laude*, a grade point average of 3.70; and *summa cum laude*, a grade point average of 3.90.

To be eligible for graduation honors, **transfer** students must have earned 60 credits at the University of Dallas. The grade point average used to qualify for honors is computed on the basis of the total program submitted for the degree. However, transfer grades may not make a student eligible for UD honors. **Faculty Medals and Stipends** are awarded at commencement exercises each year to the two graduating seniors with the highest overall averages.

The Cardinal Spellman Award is maintained by interest on a special fund given by His Eminence, the late Francis Cardinal Spellman and is presented each year to assist an outstanding senior in further studies.

The Helen Corbitt Awards for Excellence recognize a senior woman and a senior man who have produced an outstanding body of work during their time at the university. Students nominated for the award demonstrate excellence in academic pursuits, in student activities and in general service. Helen Corbitt was a gifted chef and nutritionist, the recipient of several national and international awards and the head of the Neiman-Marcus restaurants. Her commitment to excellence is continued through an endowment that makes possible these awards and also provides special support for the Rome program.

The Ann Heller Maberry Award, presented annually since 1969-1970, to an outstanding woman graduate of the university, is given in memory of the daughter of Mr. and Mrs. Frank Heller, longtime patrons of the university.

Undergraduate Departmental Awards

At Senior Convocation many departments present awards to outstanding seniors. Such awards are often named in honor of former professors whose contribution to and development of the department and the discipline was significant.

Phi Beta Kappa, one of the few societies in America devoted to recognizing and encouraging scholarship in the liberal arts and sciences, is an honor society founded at the College of William and Mary in 1776.

Primarily concerned with the development of liberally educated men and women, the society considers an academic institution for a Phi Beta Kappa charter if the school's curricular emphasis is on liberal arts and sciences, if the quality of work

required of students is high and if the intellectual climate of the institution promotes serious concern among its students about discovering the best way to live.

Awarded in 1989, the University of Dallas is one of only 12 U.S. Catholic-affiliated schools and one of eight Texas schools to be accorded this distinction. Seniors majoring in the liberal arts are elected to the society by the university Phi Beta Kappa Chapter on the basis of academic merit. Normally, no more than ten percent of any graduating class will be elected. A minimum grade point average of 3.5 is required. Transfer students must have earned at least 60 credits at the university in order to be eligible for consideration.





Constantin College of Liberal Arts

HISTORY

The undergraduate college bears the name of one of its founders and principal benefactors. The late Eugene Constantin, Jr. was chairman of the first fund drive and served the university as a trustee from its beginning. Ruth and Eugene Constantin established an undergraduate endowment fund in memory of their son, whose life was lost at Okinawa in WWII and took as their principal interest the welfare of the undergraduate college. Fittingly, in 1970 the Board of Trustees named the college in their honor.

THE CURRICULUM

Quite unabashedly, the curriculum at the University of Dallas is based on the supposition that truth and virtue exist and are the proper objects of search in an education.

The curriculum further supposes that this search is best pursued through an acquisition of philosophical and theological principles and has for its analogical field a vast body of great literature—supplemented by a survey of the sweep of history and an introduction to the political and economic principles of society. An understanding of these subjects, along with an introduction to the quantitative and scientific world view and the mastery of a language, is expected to form a comprehensive and coherent experience which, in effect, governs the intellect of a student in a manner which develops independence of thought in its most effective mode. Every student builds his or her intellectual structure on the core curriculum and is bolstered by the fact that this experience is shared with the entire community of fellow students. The student then goes on to pursue a chosen major discipline, reaching—according to this theory of education—a level of maturity and competency in the discipline that could not have been attained in the absence of a broad and general foundation.

Discovering and transmitting the wisdom of the Western tradition is an undertaking inseparable from the task of preserving language. The university acknowledges an obligation, at once professional, civic and spiritual, to encourage in its students a respect for language and to train young men and women to write and speak with directness, precision, vigor and color.

MAJOR PROGRAMS

The Constantin College offers major programs leading to a Bachelor of Arts in Art (studio and art history), *Biochemistry* (B.S.), *Biology*, *Chemistry*, *Classics*, *Classical Philology*, *Comparative Literary Traditions*, *Computer Science*, *Drama*, *Economics*, *Economics and Finance*, *Electrical Engineering Dual Degree*, *English*, *History*, *Human Sciences in the Contemporary World*, *Interdisciplinary Studies* (Elementary and Middle School Education), *Mathematics*, *Modern Languages* (French, German and Spanish), *Nursing Dual Degree*, *Philosophy*, *Physics*, *Politics*, *Psychology* and *Theology*. Uniquely qualified students may have the opportunity to shape an individual curriculum through the *Paideia Personalized Major Program*.

It is possible for a student to pursue a Bachelor of Science program in *Biology*, *Chemistry*, *Mathematics* or *Physics* by completing all the B.A. requirements in the selected field and by taking at least 12 additional hours in that field. A B.S. degree

may require a full-time summer during which time students pursue independent advanced research.

MAJOR DECLARATION

At the end of the sophomore year each student must declare a major. Students also must consult with the department chair or assigned advisor in that major so as to be aware of all major field graduation requirements. Normally this process is completed during Early Registration in April. It must be completed before the end of drop/add week in the fall of the junior year. Students should complete the Major Declaration Form available in the department or the Registrar's Office. A change of major may be accomplished by going through the same process.

CONCENTRATIONS

Electives available in a student's program provide opportunities to pursue new or deepen previous studies according to the student's inclinations. They are *not* required.

A "concentration" is a set of courses that enables students to use electives to achieve disciplined study in an area short of a major. Generally, concentrations are a coherent set of four to six courses in areas appropriate to liberal arts education but *not* available as an undergraduate major; composed of courses that already exist at the university; have a specific faculty advisor; and are identified as a concentration in the catalog and on the transcript.

At least three courses (9 credit hours) in any concentration must be at the advanced level; a grade of at least C- must be earned. In certain cases courses may be double-counted. See the policy on double-counting courses in the Degree Requirements section. Current concentrations include: *Accounting, American Politics, Applied Mathematics, Applied Physics, Art History, Art Studio, Biblical Greek, Biopsychology, Business, Christian Contemplative Tradition, Comparative Literary Traditions, Computer Science, Drama, Education, Environmental Science, Ethics, Healthcare Business, History and Philosophy of Science, Human Sciences and the Contemporary World, Industrial/Organizational Psychology, International Studies, Jewish Studies, Journalism, Language and Area Studies, Legal Studies, Medieval and Renaissance Studies, Molecular Biology, Music, Pastoral Ministry, Political Philosophy and Pure Math*. See alphabetical listings for further information.

PRE-PROFESSIONAL EDUCATION

The pre-professional curricula at the university are broad, thorough and liberal. They are designed to qualify the student for entrance into graduate or professional schools as well as to give the finest possible basis for professional study and career. Early in the sophomore year students should discuss with their advisors the entrance requirements of the particular graduate or professional schools they wish to enter.

ARCHITECTURE

Although the university has no school of architecture, it is possible to complete the first two years of an architecture curriculum. Those planning later studies in architecture are counseled to choose the schools of architecture they wish to attend and to study the requirements of those schools in consultation with the Chair of the Art Department. Architecture is a very broad field. Many universities confine this study to the graduate level; an undergraduate major in art, with work in mathematics and science as indicated by the kind of architecture envisioned, is an excellent preparation. See the Art Department for an outline of the two-year Pre-Architecture program.

BUSINESS

Students interested in business may pursue either the Business Concentration, the degree in Economics and Finance, or the Bachelor of Arts in Business. See the Business and Economics listings in the undergraduate section of this bulletin.

COUNSELING AND PSYCHOLOGY

The undergraduate and graduate programs in psychology are designed to prepare students for future training in the mental health professions, including careers in clinical and counseling psychology, psychiatry and psychiatric social work. In recent years, about half of the graduating seniors have continued this education and training in graduate school. Students wishing to enter such programs are advised to supplement the courses in the regular psychology curriculum with electives in biology and statistics. The psychology curriculum prepares the student through exposure to theories and research in developmental, clinical, social and personality subfields of psychology.

ENGINEERING

The university offers a dual degree program in Electrical Engineering and Physics in collaboration with the University of Texas at Arlington. Students entering this program receive the advantages offered at a liberal arts college, along with the technical expertise offered in a professional engineering program. For more information see the Dual-Degree Electrical Engineering Physics section of this bulletin. Physics, Chemistry, Math, and Computer Science programs offered at the university provide students with an excellent foundation for graduate studies in other areas of engineering as well.

Graduate Engineering programs in a variety of areas are eager to receive applications from UD graduates. The undergraduate major selected should be directed by the area of Engineering of interest.

LAW

Students considering law as a profession are encouraged to pursue any undergraduate major with diligence and enthusiasm. This commitment and the broad education provided by the core curriculum, serve as excellent background for the LSAT (Law School Admissions Test) and law school. In addition, the pre-law student should select relevant electives such as Constitutional Law, Law and Economics, Ethics and Financial Accounting. Additional economics courses can also be useful. As the student develops a sense of the kind of law that might be pursued, further direction is given in the choice of electives. Moot Court is also a useful and popular activity for Pre-Law students. The UD teams compete at a very high level.

HEALTH PROFESSIONS

The university recommends that students who plan a career in the health professions earn the Bachelor of Arts degree before beginning professional study. Health professions supported at the university include medicine, dentistry, nursing, physical therapy, veterinary, physician assistant, chiropractic, podiatry, pharmacy, optometry, pharmacy and the allied health professions. Pre-health students may elect an undergraduate major in any department, taking as electives the courses needed to satisfy entrance requirements of particular schools. They should confer regularly with the Health Professions Advisor concerning the appropriate course of studies. Basic

requirements for the four most popular health professions sought by UD students are as follows.

Medicine

According to the admission requirements listed in the *Journal of American Medical Colleges*, medical schools prefer students who have had:

- 1) A broad general education,
- 2) At least three years of college,
- 3) A major in any field according to student interest,
- 4) Basic science, but not science that duplicates medical course work.

About 60 percent of medical schools require a bachelor's degree or, at the very least, that the applicant be an exceptional student and have completed a set of prerequisite courses. The preferred curriculum includes:

Biology or Zoology	8-16 credits
Physics	8 credits
General Chemistry	8 credits
Organic Chemistry	8 credits
Statistics	3 credits
Calculus	4-7 credits

Dentistry

Pre-professional training in dentistry should take at least three years. Generally, the pre-dentistry curriculum should include:

English	6 credits
Inorganic Chemistry	8 credits
Organic Chemistry	8 credits
Biology or Zoology	12 credits
Physics	8 credits
Calculus I	4 credits

Physical Therapy

UD students are well-prepared for entering graduate programs leading to a doctor of physical therapy (DPT). Generally, the preferred pre-physical therapy curriculum includes:

Biology	8 credits
Chemistry	8 credits
Physics	8 credits
Calculus I	4 credits
Physiology	4 credits
Psychology (General and Developmental)	6 credits
Statistics	3 credits
Anatomy	4 credits

Nursing

UD offers two paths to achieving a degree in nursing. The first option is to complete the UD-TWU Dual Degree Program, requiring completion of prerequisite courses at UD during a student's first three years, followed by nursing-specific courses during the final two years. Enrollment as a dual degree student requires completion of a declaration form and application to TWU during February of a student's junior year.

A second option for nursing is the alternate or accelerated nursing program for individuals with an undergraduate degree in a field other than nursing. These

programs require at least 60 semester hours after the bachelor's degree and may take between 12-24 months to complete after UD.

Generally the preferred pre-nursing curriculum includes a minimum of:

Biology	8 credits
Chemistry	4 credits
Anatomy	4 credits
Physiology	4 credits
Microbiology	4 credits
Nutrition	3 credits
Psychology (General and Developmental)	6 credits
Statistics	3 credits

ALLIED HEALTH SCIENCES

The university encourages students interested in the Allied Health Science professions to complete a B.A. in Biology or Chemistry or a B.S. in Biochemistry before entering a school for Allied Health Sciences. The advantages of the degree background are numerous. In order to cope with new developments in the profession, including increasingly complex equipment, the strong background in mathematics and physics included in the Biology or Chemistry major at UD becomes essential. Such a degree also provides the option of entering graduate schools of biology or chemistry, or going on to medical school should there be a change of interest.

TEACHER EDUCATION

Teacher Education is an important mission of the university. The program develops out of the questions of what it means to learn and what it means to teach. An emphasis is placed upon a sound academic preparation through the liberal arts curriculum. A rigorous pedagogical program in the art and science of teaching is offered. The Department of Education develops individual programs leading to elementary or secondary state certification. A concentration in education is offered for students interested in teaching but not seeking state teaching certification. A concentration in education will help prepare individuals to enter the teaching profession in schools outside of the traditional public school setting.

PRIESTHOOD

The university is pleased to offer the academic courses for the collegiate seminary, Holy Trinity, which serves as the seminary for prospective diocesan priests for the state of Texas and many other dioceses across the nation. See "Pre-Ministerial Programs" in this bulletin.

MILITARY SCIENCE

Military Science classes are offered to university students through the University of Texas at Arlington (Army) and the University of North Texas (Air Force). Both programs prepare students who wish to earn appointments as commissioned officers in the Army, Air Force and reserve components. Eight credits in Military Science may be counted as electives toward the undergraduate degree.

Scholarships are awarded on a competitive basis. Each pays for college tuition, fees and a specified amount for textbooks and course supplies.

For further information contact the Admission Office. Also, consult the listing in this bulletin and course schedules under General Studies.



Satish & Yasmin Gupta College of Business (Undergraduate)

HISTORY

Since the university opened in 1956, offerings in Business and Economics have been an important component of the curriculum. When the Braniff Graduate School was established in 1966, undergraduate business courses were phased out and graduate offerings in Business Management began under the direction of Robert Lynch. The rapid growth of the Master of Business Administration led to the organization, in 1969, of the Graduate School of Management with Lynch as its founding Dean. Soon thereafter, a joint five-year bachelor-master program leading to the MBA was added. In 1988 an undergraduate concentration in Business was added, which allowed undergraduates to arrange electives in business and an internship into a coherent experience that could be added to the liberal arts program. Further recognizing the important role of business education, the university established the College of Business in 2002 with Lynch once again as founding Dean. In fidelity to the liberal arts foundation of the university, the newly formed college elected to offer a Bachelor of Arts in Business Leadership allowing students to focus their major course work on business studies while developing the leadership capabilities that distinguish university alumni. The College of Business opened in Fall 2003. In fall 2009, the name of the degree changed to BA in Business. In 2013, the name of the college was officially changed to the Satish & Yasmin Gupta College of Business.

THE CURRICULUM

The purpose of undergraduate business studies at the university is to prepare students to become principled and moral leaders who are competent and responsible managers. Accordingly, the undergraduate business curriculum draws on the university's strengths in studies of theology and ethics and builds upon this foundation with a core of business fundamentals necessary to lead contemporary business organizations. The curriculum also benefits from the *University Core Curriculum*, which provides for the student a substantial liberal arts education.

DEGREE PROGRAM

The undergraduate Business program offers a major leading to a *Bachelor of Arts in Business* and a university concentration for non-business majors in *Business*.

DECLARATION OF MAJOR

Rules for the declaration of the Business major are available from the Director of Undergraduate Business Programs.



Campus Life

Students at the University of Dallas find that the close community relationships of the campus, the intense creative and intellectual experiences of the classroom and the general commitment of purpose provided by a religious atmosphere come together to give a sense of freedom and integration.

A special characteristic of the university is the relationship between students and faculty. An undergraduate faculty-student ratio of 1 to 14 permits the personal attention of fine professors who consider teaching their primary focus. Ninety percent of the full-time undergraduate faculty hold the terminal degree in their field.

Academic and social life are closely linked at the university. The stimulation of the classroom often spurs extracurricular activities, as well as many events such as lecture and film series, art exhibitions, plays and musical events.

Many undergraduate activities are organized and sponsored by the areas within the Student Activities and Leadership Center and include such traditions as Charity Week, Groundhog and the Spring Formal. Student Activities plans a calendar of dances, musical entertainment events, volunteer opportunities, intramural sports, rec programs and off-campus excursions. Academic departments sponsor parties and lectures. For resident students, activities in the residence halls are organized by the Residence Hall Association and student resident assistants (RAs).

The General Studies Program (one-credit activity courses) encourages other activities such as chamber ensemble, theater arts, journalism practicum, participation in various volunteer programs and field experience internships.

CAMPUS MINISTRY

Central to the university is its liturgical, spiritual and lived faith life. Daily and weekend liturgies are offered as well as the Mass of the Holy Spirit and the Baccalaureate Mass which begins the graduation weekend celebrations. The Dominican Priory, Cistercian Abbey and Holy Trinity Seminary are also located on or adjacent to the campus and welcome students to their daily and Sunday liturgies.

Programming in the Office of Campus Ministry uses as its parameters two documents of the Catholic Church: ***Empowered by the Spirit***, a pastoral letter of the National Conference of Catholic Bishops and ***Ex Corde Ecclesiae***, an encyclical concerning Catholic university life written by Pope John Paul II. Flowing from the wisdom of these two documents and, most importantly, the centrality of our Catholic identity in the Eucharist, there is a wide variety of catechetical, spiritual and service programs student-led and sponsored by the Office of Campus Ministry.

Service to the Church and Society is integral to the work of Campus Ministry. Our office has a keen awareness intended to expose the students and community to the possibilities of personal sacrifice in service to others. Stemming from our baptismal call and enriching our understanding of Catholic Social Justice Teaching, our **outreach** programs include **Alternative Spring Break** and our **Create Your Own Service Project!** Faith sharing at **Dinner and Discourse**, **Bible Study** or **Catholic Confirmation Classes** seeks to enrich and enliven the students' understanding of the Catholic tradition. Students of all faith traditions are welcome to participate in all Campus Ministry programming. For those students from other faith traditions who wish to inquire about the Roman Catholic faith, we offer the **Rite of Christian Initiation of Adults**. Those students who have a deep regard for the dignity of human life may find the **Crusaders for Life** or the **Best Buddies Program** of great interest.

Students also have opportunities to reflect on spiritual growth and development through **retreats** offered throughout the year.

Through Campus Ministry students are provided opportunities to enhance their leadership skills while deepening their life of faith. Through the breaking of the bread at liturgy and participation in the cup of suffering of those whom we serve, the Campus Ministry Office hopes to offer an encounter with Christ, through each other, that will serve the student far beyond the reach of graduation day.

LECTURE SERIES AND FILMS

The **Student Government** Academic Forum sponsors lectures, debates and rhetoric or trivia competition. Modern Language films also provide ongoing venues for student-faculty interaction and education.

The **Eugene McDermott Lectureship** provides a major endowment to support visiting lecturers and to encourage their stay on the campus for some time as visiting professors. Past visiting professors include the distinguished historian Jacques Barzun; Hans-Georg Gadamer, Walter Ong and Paul Ricoeur, noted philosophers; Malcolm Muggeridge, journalist and cultural critic; Erik Norberg-Schulz and Edward Bacon, internationally known architects; Erich Heller, literary critic; Seymour Slive, historian and former director of the Fogg Museum; Harvey Mansfield, distinguished political philosopher; Horton Foote, Oscar-winning director and writer; Allan Bloom, Donald and Louise Cowan and Paul Johnson, educators and writers; David Tracy, theologian; Yehudi Menuhin, musician; Leon Kass, physician/philosopher; René Girard, professor of French literature and civilization; Paul Goldberger, architectural critic; Derek Walcott, Nobel poet; Nigel Wood, international ceramic artist; Francis Cardinal Arinze; Francis Fukuyama, sociologist; Donald Kagan, classical historian; Bruce Coles, chairman of National Endowment for the Humanities; Maya Lin, architect; and Jonathan Miller, theater and opera director, author and physician; Mikhail Gorbachev, President of the Soviet Union; Mark Helprin, writer and commentator.

THE ARTS

The University Theater, under the direction of the Drama Department, each year presents classical and experimental plays for the enjoyment of the university community. All students are encouraged to participate in this uniquely communal art, thereby giving dramatic expression to the liberal arts tradition at the heart of their undergraduate studies.

About 30 art exhibits are presented each year through the Beatrice Haggerty Art Gallery and the Upper Gallery of the Haggerty Art Village. The community is exposed to a wide range of art so as to visually educate the breadth and depth of human imagination.

Musical events are a regular part of campus life. Church of the Incarnation Choir, Chamber Ensemble, Collegium Cantorum, Lyric Theater, voice, piano and string lessons add to the activity. Informal student groups perform at the Student Government sponsored Coffee Houses and various talent shows.

CENTER FOR CHRISTIANITY AND THE COMMON GOOD

Founded in January 1990, the Center provides a forum for serious and informed discussion of the common good and brings to bear upon this discussion the insight and wisdom of the Christian intellectual tradition. This goal is met particularly through attention to issues of current public significance. These issues may be political, economic, cultural, or theological, so long as they involve our common good as members of communities ranging from the university to the nation, the world and the universal church. The discussions of the Center are designed to help

find and secure these shared purposes. The Center also provides an opportunity for students to have a foretaste of the contributions they will make as leaders of their communities, as well as practice in basing their own actions and judgments upon sound first principles.

CENTER FOR THOMAS MORE STUDIES

The Center for Thomas More Studies fosters the study and teaching of Thomas More and the ideal of statesmanship that he embodied: the well-educated person of integrity committed to civic service and professional excellence and skilled in the arts needed for the principled pursuit of peace. The CTMS sponsors courses, seminars and conferences for teachers and students, lawyers and other professional groups; it provides limited scholarship assistance to graduate students and grants to scholars for research and publications related to More; it also maintains a website (www.udallas.edu/CTMS) to support research projects.

ATHLETIC PROGRAMS

A variety of sports activities are provided to nurture the physical well-being of the community and to provide an opportunity for students to compete in sports in an educationally sound environment. The program is administered in such a way that athletics remain in keeping with the college's liberal arts tradition. While no formal physical education courses are offered, there are numerous opportunities for participation in both competitive and recreational athletic activity.

The university offers 14 intercollegiate sports including men's and women's teams in basketball, cross-country, soccer, track and field, lacrosse, golf, women's volleyball and softball and men's baseball. As a member of the National Collegiate Athletic Association (NCAA) Division III, the university does not award any athletic related scholarships and places strong emphasis on the balance between athletics and academics. The university competes as a member of the Southern Collegiate Athletic

Conference with schools from Colorado, Louisiana and Texas. Student-athletes' efforts have been recognized both regionally and nationally, including selection to the Verizon Academic All-American Teams. More information on the university's athletic programs can be found on the website at: www.udallasathletics.com (or, follow the "Athletics" link from the university's home page).

For those students not wishing to participate in varsity athletics, the university offers a variety of recreational activities including an extensive intramural sport program, recreation classes, as well as a number of sport clubs. Intramural sports include basketball, flag football, soccer, softball and volleyball. Recreation classes and sport clubs vary each semester. For an updated list of recreation programs and student clubs, please contact the Student Activities and Leadership Center. Athletic facilities include the Edward R. Maher Athletic Center, which houses an 11,000-square-foot gymnasium, a weight room, aerobics equipment and locker facilities that also service the 75 x 42 foot swimming pool.

Additional athletic facilities include screened, Laykold tennis courts, a collegiate soccer field, a baseball field, a multi-purpose field for use by the rugby and intramural teams and approximately five miles of cross country jogging trails, which cover the university's 750 acres. On February 7, 2002, the dedication of a brand new, state of the art women's softball field was held on campus, adjacent to the existing athletic complex.

STUDENT PUBLICATIONS

University News, the prize-winning student newspaper, is published weekly. Its staff is comprised of students of all majors who have an interest in journalism. Students gain skills in many areas including writing, editing, photography, layout and advertising. Although staff members are not required to take the Journalism Practicum, students may earn one credit (Pass/No Pass) by enrolling in the course.

The **Crusader**, UD's award-winning yearbook, is staffed by students who develop the book's theme and work under the direction of the editor to present a visual portrait of campus life. Staff photographers and contributing photographers provide the pictures that convey the spirit of UD and they work with student designers to create the "look" of the book. The Crusader is printed by Taylor Publishing. Students may earn one credit (Pass/No Pass) by enrolling in the Yearbook Practicum course.

The University Scholar publishes outstanding student work. Phi Beta Kappa members who have been inducted at the end of the junior year collect and edit these representations of the academic accomplishments of the undergraduate students.

HOUSING

Much of campus life begins with the resident community. The university regards on-campus residency as an important element in the academic, spiritual and cultural development of the student. Not only is residency beneficial for the student individually, but each student contributes in turn to the community as a whole. All full-time undergraduates under the age of 21 are required to live on campus unless they are living locally with their parents, married, of official senior status, or are a veteran. Students approaching 21 will not qualify to live off campus unless they are 21 prior to the start of the academic year in the fall. All students under 21 must verify their residency status with the Office of Student Life each semester. If the appropriate notification is not given, students will be charged standard housing fees for the semester regardless of actual status or housing contract.

Students live in air-conditioned residence halls. All residence hall contracts include food service.

The Staff of the Office of Student Life and Resident Assistants aid in managing residence facilities and help to advise and counsel students living in the residence halls. The university allows limited open house privileges. These do not include "closed-door" visitations.

The university also offers apartment accommodations designed to house upperclassmen. Apartment residents have the option of preparing their own food or participating in the university food service plan.

Further information on all housing facilities is available from the Office of Student Life. These facilities, the campus environment, student clubs and organizations and annual activities are described in the Student Handbook, which is compiled each academic year by the Office of Student Life. This same information is also available on the university website.

CAMPUS DINING SERVICES

Dining on campus is an integral part of resident life. All campus hall residents are required to purchase a meal plan that is included in the residence hall contract. It is valid at either The Café or the Rathskeller. The Café is an "all you care to eat" cafeteria and the Rathskeller is a fast food snack bar. For students not living in campus residence halls, the dining service offers several discount dining card programs.

The Café features rotating menus, monthly theme meals and special treat nights, while the Rathskeller offers a static menu with frequent specials. All meal plan participants receive a value bonus on the meal card called declining balance, a cash amount that may be used at either location. Unused fall declining balance will roll over to the spring only if students are still on a residential meal plan. Remaining declining balance at the end of spring is forfeited. The student or parent may add money to declining balance at any time.

Understanding that not all students are alike, the staff will work with an individual who has special dietary needs. The cost of meal plans is listed in the fees and expenses section of the Bulletin. UD Dining Services also serves as the campus caterer for special events such as weddings and receptions. Parents may also purchase birthday cakes and snack packages for their UD students. Questions may be forwarded to the Dining Services office at 972-721-5025.

COUNSELING

On-campus professional counseling is available on a regular basis in cooperation with the Student Health Center. Support groups may be organized on the basis of current student needs and typically upon request by interested students. Personnel of the Office of Student Life function as referral agents for the students in all areas related to university life. Students may, of course, contact the counseling office directly. Personnel of the Campus Ministry Office are also available to discuss problems of a religious or personal nature.

ACADEMIC ADVISING

The Office of the Academic Deans oversees undergraduate academic advising. Each new undergraduate student is assigned to a faculty advisor who is concerned with the scholastic, vocational and social interests of the student. In most cases, the advisor also will have the student in a class during the first semester. This 'advising section' makes possible easy and regular contact between faculty advisor and advisee. Mid-term grades are reported to both student and advisor. While they are not a part of the permanent record, they provide a warning of potential academic problems.

During New Student Orientation, various placement tests are administered to new students, unless completed by mail during the summer. Personal interviews assist the student in choosing suitable courses of study. Most course scheduling for new students is developed prior to registration. In the junior year students schedule a degree plan review. In addition to providing an audit of requirements needed to complete the degree, the interviews assist with course selection and help prepare for plans following graduation. Students are responsible for knowing and fulfilling all requirements for graduation.

THE OFFICE OF PERSONAL CAREER DEVELOPMENT (OPCD)

The Office of Personal Career Development is dedicated to helping students and alumni identify their individual values, interests, and goals, and to develop relevant skills as they intentionally pursue their chosen careers. Additionally, the OPCD seeks to cultivate and expand employer awareness of the powerful UD brand that will drive them to seek out UD students and alumni.

By developing external partnerships and by offering targeted programming, the staff is committed to providing the resources for students to explore diverse career opportunities, empowering them to stand out from the crowd.

The UD OPCD:

Serves all students and alumni of UD with resume writing, mock interviews, and job search strategies and tailored career coaching.

- Connects with local and national employers to provide professional opportunities and experience for students.
- Hosts professionals on campus to coach, network with, and recruit great candidates.
- Provides a secure job board featuring part-time, full-time and internship opportunities, as well as a personal portal for resumes, personal statements, and cover letters for UD students and graduates.
- Helps students secure internships (for course credit or for relevant experience).
- Teaches courses in Career Development, Internship, and Community Volunteer Services.
- **Visit the OPCD**

Please contact us to schedule an appointment!

Monday – Friday, 8:00 a.m. to 5:00 p.m.

For more information, visit us at www.udallas.edu/careerservices or call 972.721.5131

INTERNATIONAL STUDENT SERVICES

A full-time International Students Services office provides assistance to every international student from pre-arrival through post completion employment. Services include:

- Responding to pre-application questions.
- Sending comprehensive documents and instructions to guide each student through the process of paying the SEVIS fee.
- Applying for the visa and arriving at the port of entry.
- Providing guidance and resources for living arrangements upon arrival.
- A comprehensive orientation for international students to address issues related to status, living arrangements, cultural adjustment and more.
- Administering a comprehensive health insurance policy.
- Counseling on personal, financial and academic issues.
- Processing of applications for immigration benefits.

DISCIPLINE

The Administration reserves the right to suspend, dismiss, or request a student to withdraw for failure to meet standards of scholarship, character, or health, or for refusal to conform to the letter and spirit of university regulations.

Academic regulations concerning continuance at the university are included in this bulletin. Both the Code of Student Conduct and Classroom Code of Conduct are outlined in the Student Handbook which is available on-line and from the Office of Student Life. Both documents are revised annually. It is the responsibility of the student to review and be aware of the various university policies and regulations.

STUDENT HEALTH SERVICES

Student Health Services is located on the second floor of the Haggard Center. Dr. Laurette Dekat is available to see students on an appointment and walk-in basis on Monday-Friday, 12:30 to 5:00 p.m. Phone: 972-721-5322.

For emergency needs, call Campus Safety: 972.721.5305.

Services provided:

- Treatment of acute illnesses such as sinus infections, skin infections, the Flu, pneumonia, urinary tract infections, rashes

- Ongoing management of chronic conditions, such as asthma, allergies, acne, depression and anxiety
- Minor emergency care, including treatment of injuries, lacerations and asthma exacerbations
- TB screening and vaccinations, both routine and for travel
- Collaboration with counseling services for care of mental health concerns
- Referral to specialty care as needed
- On campus pharmacy for routine medications.

Fees and Charges:

Services usually rendered by a school nurse, including provision of over the counter medications, will be free of charge.

The Student Health Center is able to bill insurance for outpatient visits. Students are responsible at the time of the visit for the co-pay as determined by their insurance, which can be paid with cash, check, or charged to the student's account. The co-pay is reduced for students who have the Aetna Student Health insurance.

Thus, it is very important that students ensure that their insurance will cover medical care in Texas and that all students have a copy of their insurance card when they come to the clinic.

In addition to the co-pay for the visit, there may be additional fees for medications filled in the clinic pharmacy.

The following community resources are available for medical care on an urgent basis outside of clinic hours:**Urgent Care Centers**

Valley Ranch Urgent Care Center
8787 N. MacArthur Blvd., Ste. 120
Irving, TX 75063
(469) 484-4920
Everyday 10-8

Tienna Health Las Colinas Fast Trax
7200 N. State Hwy 161, Suite 300
Irving, TX 75039
(972) 443-5300
M-Th: 7-7, F: 7-5, Sat: 8-12

Concentra Urgent Care Center
5910 N. MacArthur Blvd. Ste. 133
Irving, TX 75039
(972) 554-8494
M-F: 8-8 Sat: 8-5

Emergency Rooms/Hospitals

Las Colinas Medical Center (ER)
6800 N. MacArthur Blvd.
Irving, TX 75039
(972) 969-2000

Baylor Medical Center at Irving
1901 N. MacArthur Blvd.
Irving, TX 75061
(972) 579-8100

STUDENT ACCESSIBILITY SERVICES

Students with disabilities must register with the Student Disabilities Coordinator in order to receive academic accommodations under Section 504 of the Rehabilitation Act of 1973 and the ADA Amendment Act (ADAAA) which went into effect January 1, 2009. Reasonable accommodations are provided to students who furnish the university with appropriate documentation supporting a qualifying disability in order to provide equal access to programs and services. Disability documentation establishes protection from discrimination and supports the petition for reasonable accommodations.

Procedure to Address Equal Access to Programs and Services

- 1) The Student Disabilities Coordinator is the first point of service for students seeking equal access to programs and services through accommodations. Students will submit online applications along with supporting documentation to the Student Disabilities Coordinator. This application may be found at <http://www.udallas.edu/offices/hr/adaaa/accommodations.html> with hard copies available in Blakley 101A. Please keep in mind the following:
 - a) Petitions will not be considered until both application and documentation have been received.
 - b) Petitions must be submitted each semester, even if the accommodation request does not change.
 - c) Supporting documentation might need to accompany subsequent petitions should there be a change in the condition or requested accommodation.
- 2) The Student Accessibility Review Committee (SARC) reviews petitions and supporting documentation to ensure that qualifying disabilities exist and that the documentation supports the petitioners' request for equal access. (The seven essential elements of quality disability documentation are listed below.)
- 3) The Student Disabilities Coordinator writes letters to students with the findings of the committee. Letters are current for the academic semester, with the exception of the Rome semester or a summer program associated with the university. Specific letters will be written to address the special circumstances of the Rome program and its campus.
- 4) Students must submit a copy of the ADAAA eligibility letter to their instructors by the end of the fourth class of the semester, or immediately upon receipt if the letter is drafted mid-semester.
- 5) Instructors and students meet to discuss equal access and establish reasonable accommodations for each course. For non-academic accommodations, students must contact the Office of Student Life to arrange accommodations.

Documentation for Physical and Learning Disabilities

Disability documentation for the purpose of providing accommodations must both establish disability and provide adequate information on the functional impact of the disability so that effective accommodations can be identified. (<http://www.ahead.org/resources/best-practices-resources/elements>)

The SARC looks for the following seven essential elements of quality disability documentation as established by the Association on Higher Education and Disability (AHEAD) in <http://www.ahead.org/resources/best-practices-resources/elements>. Accessed 27 June, 2011:

- 1) **The credentials of the evaluator.** Credentialed practitioners who are qualified to render a diagnosis for learning disabilities may include: developmental pediatricians, neurologists, psychiatrists, licensed clinical or educational psychologists, or a combination of such individuals. The diagnostician should be impartial and not a family member. A good match between the credentials of the individual making the diagnosis and the condition being reported is expected.

- 2) **A diagnostic statement identifying the disability.** Documentation for eligibility should be current, within the last three years. Older documentation may be considered on a temporary basis while current assessments are being pursued. Quality documentation includes a full clinical description along with necessary information regarding past and present symptoms. Diagnostic codes from the Diagnostic Statistical Manual of the American Psychiatric Association (DSM) or the International Classification of Functioning (ICF), Disability and Health of the World Health Organization are helpful.
- 3) **A description of the diagnostic methodology used**
- 4) **A description of the current functional limitations**
- 5) **A description of the expected progression or stability of the disability**
- 6) **A description of current and past accommodations, services and/or medication**
- 7) **Recommendations for accommodations, adaptive devices, assistive services, compensatory strategies and/or collateral support services**

Please see the ADA web page for further details regarding quality documentation.

Reasonable Accommodations for Students with Physical or Learning Disabilities

The academic accommodations students receive vary according to individual need and course content. Accommodations may not be necessary in all courses. Services are provided to minimize barriers to learning so students may demonstrate their full ability to both understand and apply the material presented in class. Possible accommodations may include, but are not limited to:

- Note-taking assistance
- Extended time on in-class assignments, quizzes and exams
- Distraction-reduced testing environment
- Student may need to have written material read aloud or put into accessible format
- Priority seating assignment
- Due to the nature of the student's disability, he/she may need to take breaks during class
- Captioned/subtitled videos
- Allowance of assistive devices in the classroom or on assignments and exams
- A sign language interpreter
- Test Scribe
- Test Reader

For the Student Disabilities Coordinator, please contact:

Jeffrey Taylor
 William A. Blakley Library, A101
 Phone: 972-721-5385
 E-mail: jtaylor@udallas.edu



Undergraduate Enrollment

The university is open to applicants without regard to ethnic or national origin, creed or sex. Applicants for admission must furnish evidence of good character, sufficient academic preparation and ability to do the work required.

Since the university is not a state-supported institution, enrollment is not limited to residents of Texas nor is any distinction made on this basis in entrance requirements or tuition and fees.

I. THE FRESHMAN CLASS

The freshman class has traditionally been of the highest quality. This has been demonstrated by the students' consistent high performance on the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board and the American College Testing Program (ACT). These results have placed the student body in the top range of all student bodies in the country. The university seeks high school students who have pursued a curriculum of college preparatory courses including English, social studies, mathematics, natural science, fine arts and a foreign language. Applicants pursuing a discipline in the sciences should have four years of mathematics. Depth in foreign language is advised.

Although the university is flexible in its admission standards, ideal applicants should be in the upper third of their graduating class and should present satisfactory SAT or ACT scores. The Admission Committee treats all applicants as individuals and is especially watchful for areas of individual accomplishment and talent.

Admission for the Fall Semester

All candidates are encouraged to apply as early as possible. Students offered admission prior to April 2 have until May 1, the National Candidates Reply Date, to postmark their submission of the Enrollment Decision Form and the \$400 Enrollment Deposit described under "Fees and Expenses." Students offered admission after April 1 have 30 days after admission to submit their Enrollment Decision Form and the \$400 Enrollment Deposit unless otherwise specified in their admission offer letter. Enrollment deposits are non-refundable after May 1 or after the 30 day period for those admitted after April 1.

The following deadlines apply to first year students seeking fall entrance.

Early Action I—November 1 (non-binding)

Early Action II—December 1 (non-binding)

Either early action deadline allows evaluation for admission based on six semesters of high school transcripts, priority consideration for freshman scholarships and notification of the admission decision within six weeks of receiving all required application materials.

January 15—Freshman Priority Scholarship Admission Deadline

Allows candidates to apply for admission based on seven semesters of academic course work. Students who submit all application credentials by this non-binding deadline receive priority scholarship consideration. These applicants normally receive notification of their admission decision on or before March 1.

March 1—International Student Priority Admission Deadline

March 1 is the priority admission deadline for international students requiring a student visa. Due to the time consuming nature of the visa process, international students are strongly encouraged to apply as early as possible.

March 1—Regular Admission Deadline

Allows candidates to apply for admission based on seven semesters of academic course work. Students who submit all application credentials by this non-binding deadline receive regular scholarship consideration. These applicants normally receive notification of their admission decision on or before April 1.

August 1—Rolling Admission Deadline

Students who submit their application credentials during this time period are evaluated for admission on a rolling basis if space is available and are evaluated for scholarships and financial aid based on availability of funding.

Completed Freshman Admission Files

The Admission Committee makes final determination as to whether submitted credentials provide the information needed for making an admission decision. Applicant credentials are referred to the Admission Committee when the following items have been received:

- 1) a completed Common Application or ApplyTexas application, including institution-specific questions and required essay(s),
- 2) an application fee of \$50,
- 3) an official high school transcript,
- 4) academic letter of recommendation completed by a counselor (a supplemental teacher recommendation can be submitted but is not required),
- 5) and official test scores from either the SAT Reasoning Test or the ACT.

Spring Semester Entry

Under special circumstances, first-time students may apply for admission starting in the spring semester. Candidates should contact the Office of Undergraduate Admission as early as possible to discuss admission and financial aid policies. The curriculum favors fall entry but does not prohibit spring entry.

Early Graduates

On occasion the university accepts students who complete their academic course work after the junior year. These students should follow the guidelines listed above; in addition, a personal interview with an admission counselor may be required to discuss special circumstances related to the application process.

Home-Schooled Students

In accordance with United States Department of Education regulations, home-schooled students are required to self-certify that their home-school setting is treated as a home school or private school under state law, that they are beyond the age of compulsory secondary school attendance under state law and that they will receive a home-school high school diploma prior to study at UD. Otherwise, admission documents and standards are the same for those schooled inside the home as for those schooled outside the home.

UD asks each high school to provide an informative high school profile with the official high school transcript. If the profile is not sufficiently illustrative about course content, the university will require high school syllabi (including books used, laboratory work done and a description of experiential learning). A partial portfolio of the student's work may be required. A personal interview with an admission counselor or faculty member is helpful for all applicants and may be required when course content does not follow a published standard.

II. TRANSFER STUDENTS

Transfer students from two-year and four-year colleges are welcome. Preliminary advising is available to plan ahead for an eventual transfer of academic credits. Spring candidates are also welcome and should contact the Office of Undergraduate Admission as early as possible.

Admission deadlines for transfer students are:

<i>Fall Semester</i>	
July 1	Priority Admission Deadline
August 1	Regular Admission Deadline
<i>Spring Semester</i>	
November 15	Priority Spring Admission Deadline
January 1	Regular Admission Spring Deadline

Students seeking admission to the University of Dallas from another college or university are expected to have at least a 2.5 average (on a 4.0 scale) in order to be considered for admission and must submit the following:

- 1) a completed Common Application or ApplyTexas application, including institution-specific questions and required essay(s),
- 2) the \$50 application fee,
- 3) official transcripts of the entire college record. These transcripts must be sent directly to the Office of Undergraduate Admission from the Registrar of each college,
- 4) an official high school transcript, if fewer than 30 college level credits,
- 5) if submitting fewer than 30 credit hours for transfer, official scores from either the SAT Reasoning Test or the ACT,
- 6) one academic letter of recommendation.

Admitted transfer students wishing to enroll in the university must submit the \$400 enrollment deposit by January 15 if enrolling for the spring semester or by August 15 if enrolling for the fall semester. The enrollment deposit is non-refundable after these dates.

Students suspended or dismissed from any other college or university may not enter the university during the term of their suspension or dismissal.

Final evaluation of transcripts is made after transfer students have earned at least 12 credits at the university with an average grade of C or better. Grades earned at other institutions are *not* averaged with grades earned at the university except where the students are being considered for graduation with honors. See "Graduation Honors" under Academic Policies and Procedures.

Credits transferred from a community college shall not exceed 60 credits.

Students wishing to transfer from an unaccredited college must meet the admission requirements specified for high school students as well as for transfer students. To receive credit for work completed in a nonaccredited college or university, students must first complete 30 semester credits with a C average at the university. Students may receive credit in courses applicable to a degree program at the university by successful (C or better) work in more advanced courses of the same nature.

III. NON-DEGREE SEEKING STUDENTS (VISITING STUDENTS)

Applicants who do not intend to be candidates for a degree must submit an official high school transcript and/or official college transcripts, an essay, a completed Non-Degree Seeking Application and a \$50 application fee.

Students admitted as non-degree seeking students who later wish to become candidates for a degree must submit the regular Common Application and all supporting documents described in the relevant section of "Undergraduate Enrollment" in this General Bulletin in order to be considered for admission as a degree seeking student.

IV. INTERNATIONAL STUDENTS

International students follow all of the procedures outlined under "Admission for the Fall Semester," and submit the following additions:

- 1) Official TOEFL (Test of English as a Foreign Language) or IELTS (International English Language Testing System) scores. Official SAT Reasoning or ACT scores may be submitted in place of the TOEFL.
- 2) a Certification of Financial Resources submitted with official documentation from a financial institution or government official stating ability to meet all expenses for nine months of study, exclusive of travel.

International Students must be prepared to accept full financial responsibility for their studies and residence while at the university. An I-20 form will be issued to international students after they have been accepted for admission. All international students must carry special health insurance. The university is required to inform the Department of Homeland Security via SEVIS when an undergraduate F-1 or J-1 student:

- a) carries less than 12 hours in any semester,
- b) attends class to a lesser extent than normally required, or
- c) terminates attendance before completion of the semester.

The above behavior may result in students' expeditious return to their native country. Questions about these requirements should be referred to the International Student Advisor. International students enrolling in graduate business programs should refer to the graduate business section of the Bulletin.

V. VETERANS

The university is approved for the education of veterans under all applicable public laws relating to veterans' training.

These laws provide for educational funding for veterans. They also require strict reporting by the university on enrollment and progress toward the degree. Veterans who do not comply with the academic standards of the university as outlined under *Academic Policies and Procedures* in this bulletin will not be certified for benefits. Briefly, these standards require that academic warnings be issued when the semester grade point average or total credits completed puts the student in danger of dismissal. A student who fails to achieve the required academic standards after a semester of probation will be subject to suspension or dismissal and will not be certified for benefits.

Veterans Education Benefits

The University of Dallas is dedicated to assisting the veteran or dependent in pursuit of higher education through support and cooperation with the U.S. Department of Veterans Affairs (VA) and the Texas Veterans Commission. An application for benefits must be submitted and determination made by the VA regarding benefits the veteran is entitled to receive. The VA Coordinator assists the veteran in establishing eligibility

and assisting in the routine administrative requirements. Veterans are responsible for providing entitlement information when receiving financial aid.

General VA Information

- Chapter 30 — Montgomery GI Bill (Active Duty, discharged/retired) — need copy of DD-214.
- Chapter 31 — Vocational Rehabilitation (must apply through Veterans Affairs) — need copy of DD-214.
- Chapter 32 — Post Vietnam Era VA Benefits — need copy of DD-214.
- Chapter 33 — Post 9/11 GI Bill—need copy of DD-214.
- Chapter 35 — Survivors' and Dependents' Educational Benefits — need copy of marriage license or birth certificate, as appropriate. Chapter 1606 — Montgomery GI Bill (Selected Reserves) — need VA form DD-2384 "Notice of Basic Eligibility" obtained from unit commander.
- Chapter 1607 — Reserve Educational Assistance Program (REAP) - need copy of DD-214.
- New Veteran Students complete VA form 22-1990 Application for VA Education Benefits (VA form 22-5490 for Chapter 35)
- Transfer Students complete VA form 22-1995 Request for Change in Program or Place of Training (VA 22-5495 for Chapter 35)
- Certificate of Eligibility — a copy needs to be given to the VA Coordinator.
- All students - official transcripts from all schools are required - must notify the VA Coordinator after registering or making any changes to enrollment.

UD Contacts:

Sandy Morgan
Assistant Registrar, certifies veterans in
Undergraduate, Braniff Graduate
School and School of Ministry
Phone: 972-721-5221
E-mail: smorgan@udallas.edu

Jeffrey Taylor
Veterans Coordinator/School Certifying Official
Graduate Business Programs
Phone: 972-721-5385
Fax: 972-721-4134
E-mail: veterans@udallas.edu

Addresses:

University of Dallas
1845 E. Northgate Drive
Irving, TX 75062
Fax: 972-721-5132

VA Regional Office
P.O. Box 8888
Muskogee, OK 74402-8888
Phone: 1-888-GIBILL-1 (1-888-442-4551)
Website: www.gibill.va.gov/

To verify End-of-Month enrollment:

1-877-823-2378 or WAVE (Web Automated Verification of Enrollment) — must use WAVES for any changes in enrollment.

VI. ACADEMIC PLACEMENT

The university holds that some system of granting placement to qualified students is both necessary and just. It is not the desire of the university to require students to repeat material in which they are already competent. However, the university does not believe in acceleration for its own sake; it believes that time is often essential to both the broad and thorough understanding integral to the education of the whole person.

There are three standard examination systems which the university accepts. It also considers the high school record, entrance and achievement scores and various departmental measures in judging the levels of capability of the student. No more than a total of 32 credits will be awarded through placement and dual enrollment. In other words, the student must complete the equivalent of at least three years of full time college study beyond high school.

A. Advanced Placement

The university may grant both placement and credit toward the undergraduate degree through the Advanced Placement Examinations of the College Entrance Examination Board. The AP credit awarded varies by exam and score; see the UD website for specific courses and requirements.

A score of *four or better* on the particular AP examination may secure the student immediate placement out of and credit for the comparable course or courses at the university.

A score of *three or four* may secure immediate placement and/or retroactive credit toward the degree upon completion of another course in that area of study with a grade of "B-" or better. Upon receiving the grade in the required UD course, the student must request the retroactive credits at the Registrar's Office. The additional course should be completed by the end of the junior year in order to secure credit through the AP examination.

B. College Level Examination Program

The College Level Examination Program is an appropriate method by which the *non-traditional* student might certify accomplishments in certain academic areas. Any granting of credit through CLEP is done on an individual basis. Scores presented must be in the 60 or above range.

C. International Certificate Programs

The university awards credit for the following international certificate programs:

- 1) *The General Certificate of Education A-Level (United Kingdom):*
6-8 credits are awarded for grades of "A" and "B" on A-Level exams in transferable subjects, with a maximum award of 32 credits. Credits are not awarded for a score of "C," or for O-Level exams.
- 2) *The Baccalaureat (France):*
6-8 credits are awarded for passing scores in BAC programs A, B, C and D, (not D'), with a maximum award of 32 credits.
- 3) *The Abitur (Germany):*
Students who have passed the *Abitur* (examination) and have received the *Reifezeugnis* or *Zeugnis der Reife* or the *Zeugnis der Allgemeinen Hochschulreife* may be considered for university admission with up to one year of advanced standing credit. Between 6-8 credits are awarded for passing scores on each of the written exams in transferable subjects, with a maximum award of 32 credits. Credits are not awarded for oral exams.
- 4) *The International Baccalaureate:*
Between 6-8 credits will be awarded for scores of 6 or 7 on Higher-Level exams in transferable subjects, with a maximum award of 32 credits. A score of 5 may secure placement and/or retroactive credit toward the degree upon completion of another course in that area of study with a grade of "B" or better. Specific courses and requirements may apply; contact the Associate Dean of Constantin College for more detailed information. Credits are not awarded for Subsidiary-Level exams.

VII. DEFERMENT OF MATRICULATION

Degree seeking applicants to the undergraduate program who receive admission may request deferment of their matriculation subject to the following:

- 1) Deferments are for one calendar year (deferments for one semester may be accepted on a case by case basis),
- 2) The request must be in writing, from the applicant and with the date and the applicant's signature,
- 3) The written request must be received by the Office of Undergraduate Admission prior to the first day of classes of the semester of entry indicated on the applicant's application for admission used to offer admission,
- 4) All deferments include the stipulation that the deferred admission and scholarship will be invalidated if the student enrolls in potentially credit bearing courses at any other college or university during the period of deferment,
- 5) The request must be accompanied or preceded by payment of the enrollment deposit,
- 6) Authorized deferment decisions will be rendered in writing by the Director of Admission,
- 7) If an applicant seeking deferment had been offered any scholarships funded by the university, the Director's written decision about the deferment will convey which of those scholarships will be available upon deferred matriculation,
- 8) In compliance with federal and state financial aid regulations, financial aid based on the FAFSA cannot be held for the one-year period of deferment. Applicants who seek need-based financial aid and are granted deferment must resubmit the FAFSA before March 1 of the year of deferred entry in order to receive need-based aid during their first year of study,
- 9) Anytime before the first class day of the deferred semester of matriculation, a student who was previously approved for deferment may seek a second year of deferment if the student provides a written request including a letter from a licensed medical doctor or psychologist stating that student is medically advised not to attend school during the semester originally granted as a matriculation semester via the deferment process,
- 10) Once a deferment has been approved the enrollment deposit becomes non-refundable.
- 11) After deferment is granted, the deferred student is not eligible to compete for additional scholarships funded by the university.



Fees and Expenses

2015-2016 UNDERGRADUATE

The University of Dallas reserves the right to change tuition, fees and any institutional policy at the beginning of any semester if the university judges such changes to be necessary. Changes may occur without prior notification.

Application Fee \$50

This one-time non-refundable fee is required of *all* students desiring admission.

Enrollment Deposit \$400

New full-time undergraduates admitted before April 1 are required to deposit \$400 and an Enrollment Decision Form to reserve their place in the class and to hold their scholarship and/or financial aid award. The payment and Enrollment Decision Form should both be postmarked to the university on or before May 1 of the applicant's senior year of high school. High school seniors' deposits will be 100% refunded upon written request if that written request is postmarked by May 1 or earlier. The enrollment deposit is not refundable for requests after May 1.

New full-time undergraduates admitted after April 1, or admitted anytime as transfer students, shall pay the \$400 deposit within 30 days of admission or by the date specified in their admission offer letter. Deposits for these students are not refundable.

The university requires a non-refundable enrollment deposit of \$400 from all freshmen and transfer students accepted for the fall or spring semesters. The deposit confirms your enrollment intention and secures a place in our freshmen class. For fall applicants, admission is subject to cancellation if the enrollment deposit is not submitted by May 1.

Tuition Per Semester \$16,680 (Full-Time Student, 12-19 Credit Hours)

Tuition Per Credit Hour (Less than 12 Credit Hours) \$1,380 This is the rate for credit hours in excess of 19 credits or less than 12 credits.

Auditing Per Course \$1,366.20 Students may be allowed to audit university courses with the permission of the instructor and the Registrar. No credit is awarded and laboratory privileges are not included. If college credit is desired, the class must be repeated as a regular course at the regular tuition rate.

UD Alumnus (age 60 or over), Per Course \$1,380

GENERAL STUDENT UNDERGRADUATE FEES (Fees Non-Refundable)

Comprehensive Fee (per semester, required) \$1,220

The Comprehensive Fee, a mandatory fee charged each semester to all undergraduate students supplements on-campus services, resources, programming and events throughout the academic year. This includes but is not limited to student activities (intramural sports, clubs and organizations), fitness facilities (swimming pool, fitness center, recreation areas.) Health center, counseling center and technology resources (computer labs, printing, internet), all of which are available to University of Dallas students at little or no cost.

Health Insurance (Deadline to waive)	\$1,432 annual, Spring only \$864
Course/Lab Fee (as designated by course)	\$20-\$100
Internship Fee (per 3 credit hour course)	\$100
Consortium Fee (per semester)	\$250
Late Registration Fee	\$100
UD Payment Plan Fee	\$60
Late Payment Plan Fee	\$60
Return Check (per return)	\$35
Yearbook (fall only, optional)	\$65

Interterm: Interterm courses are now considered part of the Fall semester. This means that Fall financial aid can cover Interterm. Interterm credit hours can be included in the flat rate for tuition. If you exceed 19 credit hours then you will be charged \$1,380.00 per each additional credit hour.

ROME SEMESTER CHARGES

This listing does not include every expense that could occur. Unlisted charges could include airfare, optional rail pass and spending money. For a complete listing, please contact the Rome Office.

Rome Undergraduate Tuition	\$16,680
Comprehensive Fee	\$1,220
Rome Fee	\$527
Health Insurance (Deadline to waive)	\$1,432 annual, Spring only \$864
Room and Board	\$5,808
Group Trips	\$2,674

The most up-to-date list of charges can be found at
<http://www.udallas.edu/offices/sas/tuition.html>

2015-2016 BRANIFF GRADUATE SCHOOL

The University of Dallas reserves the right to change tuition, fees and any institutional policy at the beginning of any semester if the university judges such changes to be necessary. Changes may occur without prior notification.

Application Fee	\$50
This one-time non-refundable fee is required of all students desiring admission.	
Tuition per Semester	\$612
Educators Cohort Tuition Per Credit Hour (Only for Full-Time Teachers).	\$490
Catholic Teacher Cohort	\$400
Auditing Per Course	\$605.88

Students may be allowed to audit university courses with the permission of the instructor and the Registrar. No credit is awarded and Laboratory privileges are not included. If college credit is desired, the class must be repeated as a regular course at the regular tuition rate. Audit courses are 100% refundable from the 1st day of classes to the last day of add/drop period. After the close of the add/drop period, all Audit courses are a zero percent refund on the tuition and fees.

UD Alumnus (Age 60 or over) Per Course	\$612
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GENERAL BRANIFF GRADUATE STUDENT FEES

General Student Fee per semester (per hour)	\$30
Braniff Student Assoc. Fee (Optional) Per semester	\$25
Graduate Readings Fee (6V99, 7V99, 8V99)	\$125
Doctoral Readings Fee	\$125
Internship Fee (per 3 credit hour course)	\$100
Graduation Fee	\$70
Consortium Fee (per semester)	\$250
Late Registration Fee	\$100
UD Payment Plan Fee	\$60
Late Payment Plan Fee	\$60
Return Check (per return)	\$35

2015-2016 SCHOOL OF MINISTRY

The University of Dallas reserves the right to change tuition, fees and any institutional policy at the beginning of any semester if the university judges such changes to be necessary. Changes may occur without prior notification.

Application Fee	\$50
This one-time non-refundable fee is required of all students desiring admission.	
	If paid online \$25
Graduate Tuition per Semester (Per credit Hour)	\$650
Auditing Per Course	\$643.50

GENERAL SCHOOL OF MINISTRY STUDENT FEES

Graduation Fee	\$60
Late Registration Fee	\$100
UD Payment Plan Fee	\$60
Late Payment Plan Fee	\$60
Return Check (per return)	\$35

FINANCIAL POLICIES FOR UNDERGRADUATES, BRANIFF GRADUATE SCHOOL AND SCHOOL OF MINISTRY

MIXED REGISTRATION CHARGES

Occasionally, a student registers for both undergraduate and graduate courses. Tuition is charged according to the college to which the student is *admitted*. A *special student* will be charged the tuition rate according to the college that admitted the student.

POST-BACCALAUREATE

Occasionally, students will come into the university as Post-Baccalaureates. Post-Baccalaureate students will be charged the tuition rate of the college that admitted them to the university.

AGREEMENT TO PAY/FINANCIAL POLICIES

Students are responsible for payment of all expenses incurred at the university. It is the student's responsibility to verify that payments and credits are received by Student Account Services in the Business Office, including financial aid, scholarships and sponsorships. Payment in full or acceptable arrangements are due by tuition due dates. Important due dates can be found at <http://www.udallas.edu/offices/sas/importantdates.html>.

Students with delinquent accounts will be denied registration, grades, transcripts and/or diploma until all obligations are fulfilled.

They also agree to the following:

The student agrees that upon non-payment of tuition charges and/or fees, the university may declare the balance due and payable. It is the student's responsibility to remain aware of obligations to the university and to make payment on a timely basis. Failure to make payment arrangements on a delinquent account may result in collection action. The student understands that the university has the right to pursue litigation against them, if they become past due. The university reserves the right to transfer past due accounts to a collection agency and/or report any delinquency to a credit bureau(s). In addition to the balance owed, the student is obligated to pay the university's costs and fees, including attorney's fees incurred in any litigation or collection activity resulting from the student's failure to pay under this agreement.

The student agrees to pay collection fees of 33%, including court costs, as permitted by law, in the event that this contract is placed in the hands of a collection agency or attorney for collection. Further, the student agrees that the university may retain all transcripts, awards, degrees, and records to which they would otherwise be entitled.

Authorization

The student authorizes the School (University of Dallas), the Department (Department of Education) and their respective agents and contractors to contact them regarding any outstanding debt that the student has incurred at the university, including but not limited to any loans, repayment of student loan(s), payment plans, or general charges that have made up the student account at the university, at the current or any future number that the student provides for a cellular phone or other wireless device using automated telephone dialing equipment or artificial or pre-recorded voice or text messages.

This agreement entered into with the university is enforced in accordance with Texas state statutes.

PAYMENT OPTIONS

Payment Due Dates

Each semester has a day on which all payments and payment arrangements are due. These dates can be found at <http://www.udallas.edu/offices/sas/importantdates.html>. Students registering after the payment due date need to make arrangements immediately after registering for the semester.

Types Of Payments Accepted

The university accepts electronic checks, VISA, MasterCard, American Express, Discover and international payments through the web portal. A student wishing to pay in the Business Office can pay using cash or check. Credit card payments are only accepted online through the web portal. For convenience, kiosks have been placed outside the Business Office to be used for credit card payments.

Payment Plan

A payment plan that allows spreading out payments for the semester can be enrolled in online through the CASHNet system. Additional information can be found at <http://www.udallas.edu/offices/sas/plans.html>

Financial Aid

Students wishing to apply for financial aid must contact the Financial Aid Office. Financial aid students can use their financial aid as part of their payment arrangements for the semester. If financial aid covers all charges and costs for the semester, then no other payment is required. If financial aid does not cover all charges for the semester, then the remaining balance will need to be paid by using current funds or the UD payment plan.

Parent/Authorized Login

Parents may have access to information concerning their student's account. The student will need to set them up on CASHNet with their own login credentials. Additional information can be found at <http://www.udallas.edu/offices/sas/parentinfo.html>

International Payments

The university accepts payments in foreign currencies. Students set up the payment within CASHNet. They then take the document generated on CASHNet to their in-country bank. Their bank will do an in country transfer of funds to Western Union Business Solutions. Western Union Business Solutions converts the funds to US dollars and deposits the money to the university. Not all foreign currencies are accepted at Western Union; usable currencies can be found at <http://www.udallas.edu/offices/sas/foreigncurrency.html>

Convenience Fee

The university accepts VISA, MasterCard, American Express and Discover through the web payment portal. Each credit card transaction has a convenience fee charge at the time of payment. The convenience fee is 2.75% for domestic cards and 4.25% for international cards of the transaction total.

HIGHER ONE REFUND PROGRAM

The Higher One Refund Program is how the university sends credit balances to students electronically. It provides three ways to receive refunds from their student account.

- 1) **Direct Deposit:** Excess funds may be sent to an existing checking or savings account.
- 2) **One Account:** A student may also open a fully FDIC checking account with Higher One.
- 3) **Mailing a Paper Check:** Students can do nothing and between 21 to 27 business days receive a check in the mail from Higher One.

All students receive a green envelope with a card in it. Students who choose the options of Direct Deposit or One Account will need this card to login and set up their preference. Additional information can be found at <http://www.udallas.edu/offices/sas/onedisburse.html>.

CHECK CASHING POLICY

The university will cash checks from a student's personal checking account, a check sent to the student from a parent, or a check sent to the student from a grandparent. The university will not cash 2nd or 3rd party checks that a student may receive from other sources.

All work study students are encouraged to sign up for direct deposit to receive their work study funds. Students who decide not to sign up for direct deposit are issued a check. This check must be deposited into the student's bank account and cannot be cashed by the University of Dallas Business Office.

TITLE IV AUTHORIZATIONS

The Department of Education (ED) requires an institution of higher education to obtain authorizations from the students to be allowed to perform certain activities when dealing with Title IV Funding (Financial Aid). These authorizations can be seen at <http://www.udallas.edu/offices/sas/authorization/index.html>. Students wishing to opt-out of the authorizations can do this by following the directions found on the webpage above.

FULL WITHDRAWAL FROM ALL CLASSES DURING FALL AND SPRING SEMESTERS

To cancel a registration or to withdraw at any time other than the close of the semester, the student is required to secure written permission from the appropriate Dean and to present such authorization to the Registrar's Office. No refunds are made without an honorable dismissal from the Dean. Discontinuation of class attendance, nonpayment of student accounts, or notification to an instructor of withdrawal does not constitute an official withdrawal and refunds will not be made on the basis of such an action. In such instances, the student is responsible for the payment of his account in full.

Students who withdraw from the university during the fall or spring semester with written permission from the Academic Dean are allowed a refund of tuition and refundable fees as follows: No refunds are made after the fourth week of class.

REFUND POLICY

Withdrawal Refund Schedule

Before the 1st Day of class for the semester	100%
1st Day of class through the last day of the add/drop period	80%
1st Day of 1st Week after the close of the add/drop period	60%
2nd Week after the close of the add/drop period	40%
3rd Week after the close of the add/drop period	20%
From the 4th week on after the close of the add/drop period	0%

All monies due the university by students at the time of withdrawal are due and payable immediately. To obtain a refund of tuition and refundable fees, students must also return their student identity card. No refunds are made on general fees. Resident students must secure clearance from the Office of Student Life before a refund is made.

The date used to calculate refunds is that on which students begin the withdrawal process with the Dean, the Registrar's Office or the Office of Financial Aid. Students have 48 hours from the time they initiate the process to acquire all signatures and return the withdrawal form to the Registrar's Office. Certain exceptions to the policies may be approved in specific instances (e.g., when a student is drafted or

incurs serious injury or illness). Such matters should be referred to the appropriate Academic Office. Please allow thirty days for processing of refunds.

ROOM AND BOARD, PER SEMESTER

Charges for the basic categories of residence hall and apartment housing are listed below. Food service is required for residence hall students and is also available for apartment residents and other non-resident students upon request. Meal plan rates with tax included are: All Access Meal Plan - \$2,317 which includes a \$100 declining balance; All Access PLUS Meal Plan - \$2,425 which includes a \$200 declining balance; All Access PREMIUM Meal Plan - \$2,533 which includes a \$300 declining balance. The default meal plan for freshmen and sophomores is the All Access PLUS Meal Plan. The default meal plan for juniors and seniors living in a residence hall is the All Access Meal Plan. All residential meal plans are also available to commuters and campus apartment residents. Additional declining balance may be added to any meal plan via direct purchase from the Dining Services Office. Additional commuter meal plans are also available for direct purchase from the Dining Services Office. Contact Student Life for any changes in meal plans or housing. The deadline to upgrade any meal plan is the third Friday of the semester.

Housing Deposit

\$200 this is a one-time charge to all residents. This deposit is refundable for currently enrolled students with proper notification to the Office of Student Life. The deadlines are July 1st for the Fall and December 1st for the Spring.

Residence Halls, per semester:

'Traditional' Hall Rooms - New Students

Double Room	(with All Access PLUS meal plan)	\$5,650
Triple or Quad Room (if available)	(with All Access PLUS meal plan)	\$5,650
Single Room (if available)	(with All Access PLUS meal plan)	\$6,275

'West Hall' Rooms - Current Upperclassmen

Double Room	(with All Access meal plan)	\$5,542
	(with All Access PLUS meal plan)	\$5,650
	(with All Access PREMIUM meal plan)	\$5,758
Triple Suite	(with All Access meal plan)	\$5,817
	(with All Access PLUS meal plan)	\$5,925
	(with All Access PREMIUM meal plan)	\$6,033
Single Room	(with All Access meal plan)	\$6,317
	(with All Access PLUS meal plan)	\$6,425
	(with All Access PREMIUM meal plan)	\$6,533

University Apartment Housing

One Bedroom (two students)	\$ 2,900
Two Bedroom (four students)	\$ 2,600

Apartment residents are responsible for the setup, payment and maintenance of electric utility accounts.

Termination of Room and Board

Housing contracts are fully binding for the academic year (fall and spring semesters). Students who officially withdraw during the fall or spring semester are allowed a refund of room and board charges according to the following schedule. Each week is calculated from the last day of the academic add/drop period. A week is seven calendar days long beginning immediately after the closing of the add/drop period.

Before move-in	100%
After move-in and through last day of add/drop period	80%

1st Week after the close of the add/drop period	60%
2nd Week after the close of the add/drop period	40%
3rd Week after the close of the add/drop period	20%
From the 4th week on after the close of the add/drop period	0%

Residents who become exempt from the residency requirement and voluntarily break their housing contracts while still enrolled during a semester are subject to the same refund percentage guidelines for room and board as students who withdraw from the university mid-semester (see WITHDRAWAL section). In addition the student *will* be charged a Contract Breakage Fee for the TERM that the contract is broken—not by the date of notification.

After contract is accepted and before August 1	\$100
After August 1 and prior to official move in date	\$300
Fall semester	\$400
Spring semester	\$600

Students found to be living illegally off campus without an exemption will be billed for a standard room charge.

Students who cancel their contracts by taking a Leave of Absence or withdrawing from the university will not be fined, but will lose their housing deposit. This deposit will be reinstated upon their return to a campus residence. All requests for termination must be submitted to the Office of Student Life.

Payment of Accounts

Students are responsible for payment of all expenses incurred at the university. It is the students' responsibility to assure that payments and credits are received by Student Account Services in the Business Office, including financial aid, scholarships and sponsorships. Payment in full or acceptable arrangements are due by tuition due dates. See below for payment options. All questions should be directed to Student Account Services in the Business Office (972-721-5144). Students with delinquent accounts will be denied registration, grades, transcripts and/or diploma until all obligations are fulfilled. The student is responsible for attorney fees and other costs and charges necessary for the collection of any amount not paid when due. For further information, please go to our website.



Undergraduate Scholarships and Financial Aid

I. UNIVERSITY ACADEMIC AWARDS AND SCHOLARSHIPS

The university offers qualified undergraduate students two broad categories of scholarships, achievement-based awards and need-based awards.

Priority scholarship consideration is given to applicants whose application for admission and supporting credentials are received or postmarked on or before January 15 of their senior year of high school. Regular scholarship consideration is given to high school seniors whose application and supporting credentials are postmarked on or before March 1. Applicants whose credentials are received or postmarked after March 1 and before August 1 will be considered for scholarships based on availability of funding.

Prospective transfer students qualify for scholarship consideration when their application and supporting credentials are postmarked by January 1 for Spring entry or August 1 for Fall entry.

Achievement-based Awards

These awards offered annually by the university recognize and reward achievements in several areas. All are offered on the basis of academic record and/or special achievements in other areas. Financial need is not considered in determining the recipients of these awards. Awards ranging from \$7,000 up to full tuition per year may be offered to selected applicants based on standardized test scores and high school academic record.

Departmental Scholarship Program

Competitive awards ranging from \$1,000 to \$5,000 per year may be offered to selected applicants who have demonstrated talents or abilities in a specific area. Talent areas currently recognized include art, chemistry, classics, drama, French, German, math, physics and Spanish.

National Merit Competition

- **National Merit Finalists:** These awards are valued at full tuition inclusive of all scholarships and grants offered through UD and the National Merit Scholarship Corporation. Eligibility is limited to those named as National Merit Scholarship Finalists by the National Merit Scholarship Corporation who subsequently choose the university as their first choice with the National Merit Scholarship Corporation by the Corporation's deadline. Scholarships are limited; contact the Office of Undergraduate Admission for more information.

Phi Theta Kappa Award

Transfer students from two-year colleges who provide a copy of official documentation of their current membership in Phi Theta Kappa are eligible for academic awards in the amount of half tuition per year. A transfer student is one who graduated from high school, matriculated at a two-year college and achieved at least 30 college credits at the two year college, not including high school concurrent enrollment, prior to applying for admission at the University of Dallas.

All Achievement-based awards will be applied to undergraduate tuition charges at the university campuses in Irving, TX and Rome, Italy. Award types and amounts may be combined at the university's discretion. The annual proceeds of all Achievement-

based awards are allocated 50% to fall semester and 50% to spring semester. UD scholarships are limited to 8 semesters. Graduating seniors who do not require full time enrollment must notify the Office of Financial Aid to determine proration of scholarships and other aid. Seminararians follow other guidelines and award structures. Contact Holy Trinity Seminary for details.

The following renewability criteria apply to Achievement-based awards:

Each award is available during four school years beginning with the semester of matriculation if the recipient's academic performance meets or exceeds the following criteria.

- Students must be enrolled full time at the census date in order to be eligible for their scholarship for that term.
- All institutionally funded academic awards require a student to be meeting Satisfactory Academic Progress (SAP) guidelines in the Scholarship and Financial Aid section.
- SAP will be reviewed at the end of each payment period. Students placed on SAP Warning are eligible to receive their scholarship for one semester.
- Once a student has been placed on SAP suspension they are no longer eligible to receive institutionally funded aid. Students on suspension may appeal in the case of a death of an immediate family member, illness/medical issue or other special circumstance.

In addition, at the end of the student's 4th fall or spring semester he or she must have a 3.0 cumulative GPA. Students with a GPA under a 2.95 will not be eligible for the full scholarship amount until they are again meeting SAP and a 3.0.

All students, including those with suspended scholarships, are eligible to submit a Free Application for Federal Student Aid, FAFSA, at fafsa.ed.gov. Students should send their FAFSA results to school code 003651 for consideration of eligibility for need-based scholarships.

Medical Provisions

If it becomes medically necessary for an Achievement-based scholarship student to withdraw or not attend a fall or spring semester of award eligibility due to the recommendation of a licensed medical physician or psychologist, the university will extend one additional semester of scholarship eligibility prior to graduation from UD. The medical leave recommendation must be documented in writing to the Financial Aid Office. In the case of a withdrawal from all classes, the student must obtain written approval for the withdrawal from UD's Academic Dean.

Multiple Sources of Funding

Each authorized recipient of Achievement-based scholarship funding receives a personally addressed scholarship awarding cover letter signed by the Vice President of Enrollment Management. By accepting an Achievement-based award, each student agrees that the university may fund the Achievement-based scholarship(s) amounts specified in the Vice President's signed scholarship cover letter from multiple sources, which may vary at UD's discretion, so long as the total value provided toward the student's undergraduate university tuition matches or exceeds the amount stated in the scholarship cover letter written and signed by the Vice President of Enrollment Management subject to the renewability criteria specified. The Office of Financial Aid may make adjustments to any university funded scholarships or financial aid based on changes in enrollment, GPA, or additional information received from any source. Students receiving financial aid from sources outside the University of Dallas must notify the Office of Financial Aid regarding the amount of such aid. UD reserves the right to adjust any UD awards and financial aid based on additional outside aid.

Students of Holy Trinity Seminary

Students enrolled in Holy Trinity Seminary receive a 30% reduction in undergraduate tuition and are not eligible for other institutionally funded Achievement-based or need-based awards described in sections I, II or III of the Scholarships and Financial Aid portion of this General Bulletin.

II. DEPARTMENTAL SCHOLARSHIP PROGRAMS

The following departments award partial tuition scholarships to qualified students who have interest and aptitude in a particular area of study: art, chemistry/biochemistry, classics, mathematics, modern languages (Spanish, French, German), physics and theater. Requirements vary by department, although most departments require some on-campus activity which takes place during a scheduled campus visit from September 1 through December 15. Students may compete for only one departmental scholarship. The deadline to apply is December 1 of the applicant's senior year of high school. Contact the Office of Undergraduate Admission for specific application requirements.

III. RESTRICTED & ENDOWED SCHOLARSHIPS

A limited number of restricted and endowed scholarships are available each year to University of Dallas students. These scholarships are awarded by the Scholarship and Financial Aid Committee. Typically students are not required to apply for these scholarships, though they are required to apply for need-based financial aid. Specific amounts of scholarships to be awarded vary according to ability, need and resources available. All scholarships are based on need and are restricted to the same GPA requirements as all other scholarships unless otherwise indicated.

Endowment scholarships may be used to fund other types of institutional student financial aid awards at the discretion of the university and in accordance with the fund agreement.

IV. NEED-BASED GRANTS, LOANS AND WORK STUDY

Applying for Financial Aid

To apply for financial aid, complete the **Free Application for Federal Student Aid (FAFSA)**. A student's eligibility for Title IV and institutional need-based grants, loans and work study is based on the information provided on this application. Information regarding application procedures, eligibility and funding is subject to change.

After a student has completed the financial aid application process and has been admitted to the university, the Financial Aid Office will send an Award Letter. Students applying for financial aid should do so by March 1 to receive priority consideration. Students applying for aid in the spring only should do so by November 1.

University-Funded Need-Based Aid

The university awards institutionally funded university awards and need-based grants to eligible students based on an application for financial aid, typically the FAFSA. Institutional financial aid can only be applied to institutional charges. Each award is available during 8 semesters beginning with the semester of matriculation if the student continues to demonstrate need and is meeting Satisfactory Academic Progress requirements (see Satisfactory Academic Progress section).

Eligibility for Federal Financial Aid

The university awards aid to students who are eligible for Title IV. Federal regulations require that any student who withdraws from the university must comply with

the Higher Education Amendments of 1998. Students who withdraw from UD must notify the Office of Financial Aid for completion of Title IV withdrawal.

Satisfactory Academic Progress

To maintain eligibility for any financial aid administered by the university, including federal, state and institutional funds, **Satisfactory Academic Progress (SAP)** must be made. Financial Aid Probation is not the same as Academic Probation.

- 1) Cumulative GPA, pace and credit hours earned are reviewed at the end of each semester (fall, spring and summer).
- 2) No more than **180 credits may have been attempted** at the university (including transfer credits accepted by UD).
- 3) As a **full-time student**, 12 credits hours must be earned each semester (Fall and Spring only) and a cumulative GPA of 2.0 or higher must be earned in order to maintain SAP. As a **part-time student**, 6 credits must be earned each semester with a cumulative GPA of 2.0 or higher.
- 4) The university also reviews a student's pace towards graduation. Pace, or completion rate, is a measurement of the number of hours a student has earned divided by the number of hours attempted. This is a cumulative calculation that is completed at the end of each semester and includes both institutional and transfer hours. Undergraduate students must have a pace (completion rate) of at least 80% (.80).
- 5) **Transfer credits** count as earned credits but do not affect the GPA. However, **transfer credits** do count towards the limit of 180 UD credits and the pace calculation.
- 6) Withdrawal from a course can affect a student's financial aid eligibility since it is counted as a attempted credit that is not earned. This will affect a student's pace calculation. An Incomplete or a Temporary grade does not count as earned credit and will affect eligibility until credit is earned. SAP cannot be assessed until all incomplete grades have been posted. If a student has a grade of incomplete, he/she will not be reviewed for SAP and will not be eligible for financial aid until SAP can be reviewed. Please contact the Office of Financial Aid once a grade has been posted so that SAP can be reviewed. If a course is repeated and cancelled, eligibility may be affected if total credits earned fall below the minimum required. A previous Financial Aid Warning may not be removed by raising a prior semester's GPA through the Repeat and Cancel policy, but financial aid eligibility may be reinstated or continued by raising the cumulative GPA to the minimum required using the policy.
- 7) If the student is *not* making **SAP**, he or she will be notified of a **Financial Aid Warning** for one semester. During the **warning semester**, the student must **earn 12 credits** as a full-time student (**or 6 credits as a part-time student**), 80% pace and complete the semester with a cumulative **GPA of 2.0**. If these requirements are not met at the end of the semester, the student will lose his or her financial aid for the next semester (this is known as Financial Aid Suspension). A student can regain their Financial Aid eligibility if SAP (12 credits and a 2.0 cumulative GPA) is met at the end of a subsequent semester.
- 8) A student who does not meet SAP at the end of the Financial Aid Warning period and is thus notified of a Financial Aid Suspension can make a formal written appeal to the Director of Financial Aid for the reinstatement of financial

aid for one semester. An appeal can be made in the event of the death of a student's relative, injury or illness of the students, or other special circumstances.

If an appeal is granted, a student is put on Financial Aid Probation and receives financial aid for one semester. A student on Financial Aid Probation must earn 12 credits and a 2.0 cumulative GPA by the end of the probationary semester or meet other academic standards set by the Director of Financial Aid (called an Academic Plan) in order to have his or her financial aid reinstated. A Financial Aid Suspension can be lifted once a student is again meeting all SAP requirements.

Withdrawal and Return of Title IV Funds

Federal regulations require that any student who withdraws from the university must comply with the Higher Education Amendments of 1998. Students who withdraw from UD must notify the Office of Financial Aid for completion of Title IV withdrawal. If a student receiving financial aid withdraws after the semester begins, an official withdrawal must be completed. Any student who plans to withdraw must contact the Financial Aid Office. Once a student has notified the Office of Financial Aid of an intent to withdraw, he or she has 48 hours to seek all required signatures to complete the withdrawal process. The date used for the withdrawal will be the date the student initiates (starts) the process. The official withdrawal must be completed in all offices. Federal, state and institutional aid (including academic scholarships) may be returned, and the student may owe a balance to the university. Prior to returning, the student must pay that balance in full.

Once a student attends beyond the 60% point of the term, he or she has earned 100% of all aid. The percentage is calculated by taking days attended versus total days in the student's enrollment. A complete withdrawal prior to this date, however, will result in aid that must be returned to its program(s). The percentage of aid that must be returned for federal funds may also be applied to state and institutional funding.



Requirements for the Bachelor of Arts and Bachelor of Science Degrees

I. THE CORE CURRICULUM

The core curriculum is the center of undergraduate education at the University of Dallas. It is central to and structured toward, the fulfillment of the institution's fundamental purposes. It is designed to foster the student's pursuit of wisdom through formation in intellectual and moral excellence, to foster a mature understanding of the Catholic faith and to encourage a responsible concern for shaping contemporary society. The organization and content of the core are determined by the premise that these goals can best be achieved through a curriculum founded on the Western heritage of liberal education. Within this heritage, the Christian intellectual tradition is an essential element and the American experience merits special consideration.

The core is thus a specific set of courses focusing on the great deeds, ideas and works of western civilization — including in particular those expressive of its Christian character — in the belief that they are sure guides in the search for truth and virtue. As befits a pilgrimage toward the best and highest things, the curriculum is designed to nurture reflection on the fundamental aspects of reality and conducted so as to provoke inquiry into the perennial questions of human existence. It thus fosters genuinely liberal learning by providing both the material and the opportunity for free and systematic investigation into the central facets of Western experience.

In the courses of the core, students investigate the human condition and man's relation to God, nature and his fellow man. The courses aim at developing in the student both the desire to understand these subjects and the means by which to investigate them. The inquiry into these themes is conducted through the different disciplines, which, while highlighting special threads within the fundamental issues and distinctive modes of studying them, also point to their ultimate unity. The curriculum as a whole provides a broad but firm foundation which enables the student to raise the most profound questions and to search for true answers. In its parts, the core is an introduction to the various ways by which that search may be conducted and one's vision shaped.

Philosophy **9 credits**

All students must take 9 credits in philosophy. Normally, the program in philosophy is Philosophy 1301, 2323 and 3311.

English **9 or 12 credits**

The Literary Tradition courses: English 1301, 1302 and 2311 are required. Bachelor of Arts students (except for students earning B.A. degrees in Biology, Physics and Education: Math/Science) are required to take English 2312.

Mathematics **3 credits**

The following courses fulfill the Mathematics requirement:

- Euclidean and Non-Euclidean Geometries (Math 1301)
- Introduction to Statistics (Math 2305)
- Linear Point Set Theory (Math 3321)
- Calculus I, II, or III (Math 1404, 1411, or 2412)

Fine Arts **3 credits**

The following courses fulfill the Fine Arts requirement:

- History of Art and Architecture I, II or Art and Architecture of Rome (Art 1311, 1312, 2311)
- Theater History (Drama 3310)
- Music of the Western World: Renaissance, Baroque, Classical, Romantic and Contemporary (Music 1311-1315, 3330)

Science **7-8 credits**

All students are required to take one laboratory science course in the life sciences and one in the physical sciences, either from the Basic Ideas offerings or courses that are introductory to the respective science disciplines or an approved substitute. Courses at the 1000 or 2000 level in the life sciences with their accompanying lab fulfill the life science core requirement. Courses such as Chemistry and Physics (including Astronomy) fulfill the physical science core requirement.

Classics and Modern Languages **0-12 credits**

The second-language component of the core curriculum is a sliding requirement of 0-12 credits. The Language Requirement may be met by mastery of a language at the second-year level (or advanced level for Greek) as shown by the placement test or by successful completion of the following:

- a) Two courses in the same language at the second-year level. Students who place out of Second-Year I satisfy the core requirement by completing Second-Year II.
- b) For Greek: Second-Year Greek (CLG 2315) and one advanced Greek course. Students who place out of Second-Year Greek satisfy the core requirement by completing one advanced Greek course.

Students unable to qualify for the second-year level must enroll in first-year language courses and proceed through the second-year level. Latin students unable to qualify for Second-Year Latin I may enroll in Grammar Review (CLL 1305) and proceed through Second-Year Latin II (CLL 2312).

American Civilization **3 or 6 credits**

Bachelor of Science Students and students earning B.A. degrees in Biology, Physics and Education: Math/Science can take either History 1311 or 1312. All other students take History 1311 and 1312.

Western Civilization **6 credits**

History 2301 and 2302 are usually taken in the sophomore year.

Politics **3 credits**

A one-semester course, Principles of American Politics, Politics 1311, is ordinarily taken by the student in the freshman year.

Economics **3 credits**

Economics 1311, a one-semester course, is ordinarily taken in either the freshman or sophomore year.

Theology **6 credits**

All students must complete six credits in Theology for the undergraduate degree. Ordinarily, this requirement will be satisfied by Understanding the Bible, Theology 1310, and Western Theological Tradition, Theology 2311.

II. OTHER REQUIREMENTS

Major Program

Students must satisfy the requirements of their major program as established by the department in which they elect to major. Grades below "C-" in advanced courses in the major department do not count toward fulfillment of the major requirement.

Advanced Credits

The student must earn 38 credits in courses numbered 3000 or above, of which 30 must be earned at the University of Dallas. The last 12 advanced credits in the major must be earned at the university.

Total Credits

Students must earn a minimum of 120 credits. Students who wish to pursue a double major, that is, apply for one undergraduate degree with two majors, must satisfy the requirements of both majors. Students considering more than one major should be aware that certain combinations of majors might require more than eight semesters to complete. Once a degree has been awarded, a second major or a concentration may not be added, nor may a B.A. be changed to a B.S.

Students who wish to pursue a second and different, undergraduate degree, must earn a minimum of 30 additional semester hours of work in residence beyond the requirements for one degree, 18 of which must be advanced. Students must also complete all requirements for the second degree and major.

Double-counting courses

Some courses may be applied toward more than one academic program, or double-counted.

As a rule two courses are allowed to be double-counted toward a double-major, a major and concentration(s). Core courses are not considered to be double-counted.

In cases of a double major or a major with more than one concentration a student may double-count up to four courses. Permission to double-count more than two courses must be granted by the Dean and requires that the student submit a justification, degree plan, and a list of courses to be double-counted to inform the decision.

Because of significant overlap between some majors/concentrations and limited numbers of courses available, some double-major combinations or majors with concentration may not be possible.

Electives

The difference between core and major field requirements and the total credits required for the undergraduate degree is made up of electives. Such courses afford students the opportunity to explore other disciplines, to reflect upon the major from another point of view and to seek courses that assist in preparation for life. Elective credits should not be used simply to keep taking classes in the major field. Four Pass/No Pass credits and 6 internship credits may be included in the 120 credits required for graduation.

Grade Point Average

To obtain a degree, the student must obtain a university grade point average of "C" (2.0). Not more than 30 credits passed with a grade of "D" are acceptable for graduation.

Residence Requirements

The final year of study must be spent at the University of Dallas.

Comprehensive Examination

In the senior year, students must pass a comprehensive examination in their major field. The particular form of the examination varies by department. Such examinations are described in each department's section of this bulletin.

Graduate Record Examination

Although not required, the university urges the student to take the Graduate Record Examination or other professional examinations at the appropriate times.

Bachelor of Science

The Bachelor of Science degree is offered in biology, biochemistry, chemistry, computer science, mathematics or physics. The B.S. degree normally requires 12 additional credits in the major beyond the B.A. degree requirements. Some of the additional credits may include a required research project. Refer to the departmental pages for specific requirements for particular B.S. degrees. In the case of a double degree involving a B.A. and a B.S., the minimum total credits required will be 150.

Art

FACULTY

Co-Chairs Associate Professor Shore and Assistant Professor Caesar; Professor Hammett; Associate Professor Owens; Assistant Professor Foutch

Artists help maintain and develop the cultural life of a society by means of their unique expression of the basic truths of existence. The experience and practice of visual art creates an awareness of these basic truths and especially of the imaginal and creative aspects of life, which is vital in the formation of the complete human being. The Art Program therefore seeks to develop the critical aesthetic faculties within the student and to nurture that knowing and judging capacity of the human spirit. Students from other academic disciplines gain breadth and insight from courses in studio art and art history, which share common ground with the other humanistic disciplines and creative arts and which complement the sciences.

The Department views the experience and practice of the visual arts, particularly at the undergraduate level, as an interdisciplinary pursuit. Within the Art major, the five areas offered are *art history*, *ceramics*, *painting*, *printmaking* and *sculpture*. The art student is involved in the artistic and scholarly environment of the Haggerty Art Center, with stimulation provided by independent study offerings, the presence of graduate students and on-campus and Dallas/Fort Worth area exhibitions and collections, as well as visiting artists and lecturers. All of these construct the real environment needed for growth in the arts.

The study of art as a major is divided into the *art core* and the *area of emphasis*. The art core is taken in the freshman and sophomore years and includes History of Art and Architecture I and II, Basic Drawing I and II, Two-Dimensional and Three-Dimensional Design and Human Figure. In the sophomore year, preferably the Fall semester, the art student usually participates in the Rome Program.

The area of emphasis is designed to guide the student, either in the studio or art historical study, toward the full realization of his or her personal integrity and intellectual potential. The student may pursue the following areas: *art history*, *ceramics*, *painting*, *printmaking* and *sculpture*. The student may also pursue the *secondary*, or *all-level certificate* in the teaching of art.

By the junior year, the art major emphasizing *studio work* is intensely involved in a major studio and elective studio work while also taking one course each semester in the history of modern and contemporary art. A critique of the student's work by the art faculty takes place in the second semester of the junior year. In the senior year, the studio major prepares for the senior exhibition and comprehensive examination through Senior Studio and Seminar. Reviews and critiques are a regular part of the year.

The pattern for the art major emphasizing *art history* is much the same through the sophomore year. The Rome semester is especially significant, for the student is able to experience works of art in their original context and to study the impact of the classical tradition on Western art. In the junior and senior years, the student takes a wide range of upper-level art history courses which integrate a knowledge of visual culture and architecture into a liberal arts education and life. These courses, along with Senior Research and Senior Thesis, introduce the student to critical analysis and research methods, thus preparing the student for the comprehensive examination and the final research paper presentation.

Whatever the area involved, the Department seeks to give the art major basic principles, not merely standard solutions, so that he or she has the training, judgment and flexibility to go on to successful graduate or professional work in art, art history, or other areas.

BASIC REQUIREMENTS / ALL STUDIO AREAS

A total of 45 credits: two semesters of participation in senior seminar (one credit per semester); 12 in art history (6 advanced); 31 in studio courses including 15 credits (12 advanced) in one studio area (beginning studio, two intermediate studios and two senior studios), the core studio requirements of Drawing I and II, Human Figure, Two and Three-Dimensional Design and six credits of electives in studio experiences outside the area of emphasis. Satisfactory completion of the Senior Exhibition and Comprehensive Examination is required. It is recommended that art majors take Aesthetics as an elective and seek appropriate electives in other departments.

Comprehensive Examination

In the second semester of the junior year the work of the student is reviewed by the entire art faculty. A second review occurs in the first senior semester, followed by a final review in the last semester prior to the presentation of the senior capstone project, a solo-exhibition held on campus. It must contain work done predominantly during the Senior Studio course. The exhibition, selected, designed and constructed by the student, is judged by the faculty in an oral examination. In the senior year all art majors must also pass an art history comprehensive exam.

BASIC REQUIREMENTS / ART HISTORY AREA

The art history area of the art major requires 24 credits in art history, 18 of which are advanced hours; two one-credit senior seminars; two credits in Gallery Practicum; ten credits in studio (drawing, design and figure); and six credits in advanced art electives. Advanced art history courses (including a methodologies/aesthetic course) typically begin in the junior year and culminate with the senior capstone project, a written thesis and oral presentation on some aspect of modern or contemporary art. The student must organize a faculty committee and participate in senior reviews and an oral examination, while also passing an art history comprehensive test.

Suggested Sequence for Art Major

CORE PROGRAM

YEAR I

Art 1311, Hist. of Art & Arch. I	3	Art 1312, Hist. of Art & Arch. II	3
Art 1203, Basic Drawing I	2	Art 1204, Basic Drawing II	2
Art 2219, 2-D Design	2	Art 2220, 3-D Design	2
English 1301	3	English 1302	3
Theology 1310	3	Philosophy 1301	3
Language 2311	3	Language 2312	3
	16		16

YEAR II (Rome)

English 2311	3	English 2312	3
History 2301	3	History 2302	3
Philosophy 2323	3	Art 2213, Human Figure	2
Theology 2311	3	Beginning Studio/Art History	3
Art 2311	3	History 1311	3
	15		14

AREA OF ART HISTORY

The art history area of the Art major also includes the art core. Studio and gallery experience enhance the student's understanding of historical works of art. For obvious reasons the art history student is urged to participate in the Rome program. Advanced art history courses typically begin in the junior year and culminate with the senior thesis, a major research paper on some aspect of nineteenth, twentieth, or twenty-first century art.

YEAR III

Advanced Art History	3	Advanced Art History	3
Advanced Art History	3	Advanced Art History	3
Philosophy 3311	3	Economics 1311	3
Math	3	Science	4
Politics 1311	3	History 1312	3
Art Gallery Practicum	<u>1</u>	Art Gallery Practicum	<u>1</u>
	16		17

YEAR IV

Senior Research/Art History	3	Senior Thesis/Art History	3
Senior Seminar	1	Senior Seminar	1
Art History or Studio	3	Art History or Studio	3
Science	3	Philosophy (Aesthetics)	3
Electives	<u>6</u>	Electives	<u>6</u>
	16		16

AREA OF CERAMICS

A basic program of creative and technical experience in ceramic processes, material and equipment for students who wish to prepare as artist-potters and ceramicists.

YEAR III

Art 3339, Intermediate Ceramics	3	Art 3340, Intermediate Ceramics	3
Art 3318, Sculpture I	3	Painting or Printmaking	3
Advanced Art History	3	Advanced Art History	3
20th Century/Contemporary		20th Century/Contemporary	
Philosophy 3311	3	History 1312	3
Math	<u>3</u>	Science	<u>4</u>
	15		16

YEAR IV

Art 4349, Senior Ceramics	3	Art 4350, Senior Ceramics	3
Art 4151, Senior Seminar	1	Art 4152, Senior Seminar	1
Art Elective	3	Art Elective	3
Science	3	Philosophy (Aesthetics)	3
Elective	3	Politics 1311	3
Economics 1311	<u>3</u>	Elective	<u>3</u>
	16		16

AREA OF PAINTING

Studio guidance in contemporary approaches to painting as a mode of artistic expression and a guided development of the student's ability toward a personal expression in various media.

YEAR III

Art 3334, Inter. Painting	3	Art 3335 Inter. Painting	3
Advanced Art History	3	Printmaking, Sculpture/Ceramics	3
20th Century/Contemporary		Advanced Art History	3
Art 3329, Inter. Drawing	3	20th Century/Contemporary	
Philosophy 3311	3	History 1312	3
Math	<u>3</u>	Science	<u>4</u>
	15		16

YEAR IV

Art 4349, Senior Painting	3	Art 4350, Senior Painting	3
Art 4151, Senior Seminar	1	Art 4152, Senior Seminar	1
Art Elective	3	Art Elective	3
Science	3	Philosophy (Aesthetics)	3
Elective	3	Politics 1311	3
Economics 1311	<u>3</u>	Elective	<u>3</u>
	16		16

AREA OF PRINTMAKING

Practical and conceptual introduction to contemporary printmaking as a mode of artistic expression and a guided development of a student's ability toward a personal expression. Studio facilities enable students to make intaglios, lithographs, relief prints and screen prints and to learn photographic printmaking processes and hand paper making.

YEAR III

Art 3323, Inter. Printmaking	3	Art 3324, Inter. Printmaking	3
Art 3329, Inter. Drawing	3	Painting, Sculpture, Ceramics	3
Advanced Art History	3	Advanced Art History	3
20th Century/Contemporary		20th Century/Contemporary	
Philosophy 3311	3	History 1312	3
Math	<u>3</u>	Science	<u>4</u>
	15		16

YEAR IV

Art 4349, Senior Printmaking	3	Art 4350, Senior Printmaking	3
Art 4151, Senior Seminar	1	Art 4152, Senior Seminar	1
Art 5V59, Advanced Drawing	3	Art Elective	3
Science	3	Philosophy (Aesthetics)	3
Elective	3	Politics 1311	3
Economics 1311	<u>3</u>	Elective	<u>3</u>
	16		16

AREA OF SCULPTURE

The study of three-dimensional expression through a variety of contemporary approaches. Both practical and conceptual growth of self-expression takes place through the direct use of diverse sculptural materials and techniques including casting, fabrication, carving and installation.

YEAR III

Art 3343, Intermediate Sculpture	3	Art 3344, Intermediate Sculpture	3
Art 3317, Ceramics I	3	Painting or Printmaking	3
Advanced Art History	3	Advanced Art History	3
20th Century/Contemporary		20th Century/Contemporary	
Philosophy 3311	3	History 1312	3
Math	3	Science	4
	15		16

YEAR IV

Art 4349, Senior Sculpture	3	Art 4350, Senior Sculpture	3
Art 4151, Senior Seminar	1	Art 4152, Senior Seminar	1
Art Elective	3	Art Elective	3
Science	3	Philosophy (Aesthetics)	3
Elective	3	Politics 1311	3
Economics 1311	3	Elective	3
	16		16

PRE-ARCHITECTURE

The following sequence is designed for the student who plans to transfer to a standard Bachelor of Architecture program in the junior year. It includes the Rome program. The student who plans to complete an undergraduate major at UD also is advised to include them. Most students interested in architecture complete the B.A. in art at UD and enter an MFA program in architecture.

YEAR I

Art 1311, Hist. of Art & Arch. I	3	Art 2312, Hist. of Art & Arch. II	3
Art 1203, Basic Drawing I	2	Art 1204, Basic Drawing II	2
Art 2219, 2-D Design	2	Art 2220, 3-D Design	2
Mathematics 1404	4	Mathematics 1411	4
English 1301	3	English 1302	3
Physics 2311, 2111	4	Physics 2312, 2112	4
	18		18

YEAR II

Art 2311	3	English 2312	3
English 2311	3	Economics 1311	3
History 2301	3	Art Elective (Sculpture)	3
Philosophy 1301	3	Computer Science	4
Theology 2311	3	Art Gallery Practicum	1
	15	Elective	3
			17

TEACHING CERTIFICATION IN ART FOR THE STATE OF TEXAS

Along with the art major, a student may qualify to teach in grades 6-12 or work towards an all-level certification. Other students may wish to use the art major, or the appropriate number and kinds of art credits, to prepare to teach in grades 1-8 or 8-12. All combinations may require summer study in order to complete the program in four years. Because of the need for careful sequencing of both art and education courses, the student should consult both departments.

COURSES IN STUDIO ART

1115. Art Gallery Practicum. The course provides insight into the operations of galleries and museums as well as practical experience in the arranging and mounting of exhibitions. Fall and Spring. May be repeated.

1203. Basic Drawing I. Drawing as a means to gain visual awareness; the use of lines and values to develop understanding of the depiction of volumes and space. Fall.

1204. Basic Drawing II. Drawing as a means to visual thinking. Introduction to principles of composition. Prerequisite: Art 1203. Spring.

2213. The Human Figure. The study of the human figure in a selected medium or media from the live model in the studio. Gesture, proportion, form and an understanding of basic anatomical structure will be emphasized. Prerequisite: Art 1203. Spring.

2219. Two-Dimensional Design. A guided investigation of basic concepts and techniques of visual organization in two-dimensions. Students will develop an awareness of the formal elements of composition, a working knowledge of their fundamental principles and sensitivity towards the interrelationship between form and content. Students familiarize themselves with the basic vocabulary necessary to verbalize their creative process and critical thinking. 2-D Design requires substantial time for the completion of class projects, both in and outside of scheduled class time. 2-D Design prepares students with the foundation to address compositional problems encountered in other studio courses. No prerequisite required or previous experience necessary. Fall.

2220. Three-Dimensional Design. Introduces the student to the basic methods of 3-D Design with an emphasis on dimensional form, scale, texture and tension. This course introduces the student to the creative process, concept development and broadens and sensitizes the student to the materials and techniques involved in 3-D design processes. Students become familiar with the basic vocabulary associated with 3-D design. 3-D Design requires substantial time for the completion of class projects, both in and outside of scheduled class time. It prepares students with the foundation to address compositional problems encountered in other studio courses. No prerequisite required or previous experience necessary. Spring.

3315. Printmaking I. An introduction to the particular qualities and requirements in the making of prints in intaglio, lithography and relief. Fall and Spring.

3316. Painting I. Introduction to the fundamentals of painting through lecture, demonstration and studio experience. Emphasis on technique, color and composition through work primarily from direct observation. Fall and Spring.

3317. Ceramics I (Handbuilding). An introductory study of the techniques and aesthetics of clay as an art medium. Class emphasis is on the basic processes for hand built forms: pinching, coiling, slabs and molds. Students are challenged with

progressively more difficult projects requiring creative problem solving skills and allowing opportunities for personal expression. Through demonstrations, slide lectures and critiques, students learn to create and evaluate, as well as appreciate the relationship of art to our lives. Spring and Fall.

3318. Sculpture I. Introduction to basic sculptural ideas and practices using wood and metal as primary materials of exploration. Fall and Spring.

3323. Intermediate Printmaking I. A continuation of Art 3315. Expanding knowledge of printmaking through exploration of various processes. Prerequisite: Art 3315. Fall and Spring.

3324. Intermediate Printmaking II. Work in various print processes according to student's aesthetic needs. Students are expected to develop a theme. Prerequisite: Art 3323. Fall and Spring.

3325. Design for the Theater. Offered when required for inter-disciplinary use with the Drama Department.

3327. Art for the Elementary School Teacher. As needed.

3328. Art for the Secondary School Teacher. Prepares the student to teach art in grades 6-12. Course content includes an in-depth study of the Texas Essential Knowledge and Skills for Art, short-term observations under exemplary middle and high school art teachers, an examination of numerous student works and an opportunity to gain philosophical and practical insight into the numerous issues involved in secondary art curriculum development and implementation. As needed.

3329. Intermediate Drawing. Concentrates on the development of ideas and imagery. Growth and articulation of individual ideas and expression is encouraged in the context of a theme chosen by the student. Fall and Spring.

3334. Intermediate Painting I. Reaffirms and expands formal criteria established in Art 3316 and directs individual research into personal, historical and contemporary painting issues in oil, acrylic and related media. Develops greater understanding of painting as a language through observation, invention, problem-solving, technique and media experimentation. Prerequisite: Art 3316. Fall and Spring.

3335. Intermediate Painting II. Continuation of Art 3334 involving the development of a personal direction and sensibility utilizing various painting materials and techniques that emphasize the relationship between form and content. Prerequisite: Art 3334. Fall and Spring.

3339. Intermediate Ceramics I. An introductory study of the techniques and aesthetics of clay as an art medium. Emphasis is on the basic processes for wheel thrown forms. Students are challenged with progressively more difficult projects that explore possibilities for wheel-thrown forms, as well as basic decorating, glazing and firing techniques. Through demonstrations, slide lectures and critiques, students are exposed to ideas and attitudes for understanding ceramic aesthetics in a contemporary, social and historical context. Prerequisite: Art 3317. Fall and Spring.

3340. Intermediate Ceramics II. Technical ceramics; Prerequisite Art 3317 or by permission of instructor. Fall and Spring.

3343. Intermediate Sculpture I. Continuation of sculptural ideas explored in 3318 with the introduction of modeling and casting. Prerequisite: Art 3318 or by permission of instructor. Fall and Spring.

3344. Intermediate Sculpture II. Development of personal concepts in sculpture. Introduction to advanced fabrication techniques. Prerequisite, Art 3318 and Art 3343. Fall and Spring.

3V41–3V42. Independent Theoretical and Studio Research. One to three credits may be earned with permission of the instructor. As needed.

3V50. Special Studies in Studio Work or Art History. Focuses on particular media, technique, topic, period or artist according to discretion of the professor.

4349–4350. Senior Studio. Concluding major studios in the chosen studio area. Required of all majors. Fall and Spring.

4151–4152. Senior Seminar. A two-semester seminar required of all senior majors designed to help students develop a critical approach to viewing, exhibiting and thinking about art as well as familiarizing them with the basics of the business of art. Also informs students about what is required in their thesis exhibition or presentation. Fall and Spring.

5V59. Advanced Drawing. A continuation of Art 3329. Students are expected to create drawings as complete independent works of art. Fall and Spring.

COURSES IN ART HISTORY

1311. History of Art & Architecture I. Survey of Western art and architecture from Egypt to the Baroque. Fall.

1312. History of Art & Architecture II. Survey of Western art and architecture from the Baroque to the present. Spring.

2311. Art and Architecture of Rome. The art and architecture of Rome, other Italian cities and Greece from their roots in antiquity through the modern era. Attention is focused on major monuments and themes and the impact of the classical tradition. Rome Campus.

3V50. Special Studies in Art History or Studio. Focuses on particular medium, technique, topic, period or artist according to discretion of the professor.

3V57. Internship. Practical experience in an area museum, gallery, art library, or slide library. See "Internships." Variable credit. Graded Pass/No Pass.

4349. Senior Research. In the senior year, all art history students write an article-length research on a topic chosen from the visual arts of the nineteenth, twentieth, or twenty-first century. Guidance of the research process through the initial stages of writing the thesis and introduction of the methodological issues, research procedures and historiography of the discipline.

4350. Senior Thesis. The process of writing the senior thesis. Development of writing skills, critical and synthetic thinking, organizational skills, disciplined work habits and a sense of personal achievement.

5342. Ancient Art. A history of the art and architecture of Greece and/or Rome. The instructor may choose to emphasize a particular aspect of ancient art.

5354. History of American Art. From the colonial period to the present.

5356. Art of the Italian Renaissance 1300–1600. The history of Renaissance art in Italy, from Giotto to Mannerism.

5357. Special Studies in Art History. Focus on a special topic, period, or artist according to the discretion of the professor.

5365. Medieval Art. A history of art and architecture of the Romanesque and/or Gothic periods. The instructor may choose to emphasize a particular aspect of medieval art.

5367. Northern Renaissance 1400–1550. Late Gothic and Renaissance art in Europe outside of Italy, with emphasis on Flemish and German painting.

5368. Baroque to Neoclassical. A history of European art and architecture of the Baroque, Rococo and/or Neoclassical periods. The instructor may choose to focus on any aspect of Northern or Southern Baroque, Rococo, or Neoclassicism.

5397. Nineteenth-Century Art. A survey of art and architecture in the nineteenth century, from Romanticism to Impressionism.

5398. Modern Art. A survey of the visual arts of the twentieth century. Formerly Twentieth-Century Art.

5399. Contemporary Art. A survey and analysis of the art and architecture of the last quarter of the 20th century.

GRADUATE WORK IN ART: See Braniff Graduate School listing.

Art Concentrations

DIRECTOR

Associate Professor Owens

All students concentrating in art history/studio art must participate in a Senior Concentration capstone project during the final semester of their senior year. This capstone project may consist of a presentation in a concentration symposium (art history), or participation in the senior concentration exhibit (studio art). Declaring the concentration and consultation with the art history/art professor and the Concentration Director is required to determine the capstone project and Concentration coursework.

ART HISTORY CONCENTRATION

The Art History Concentration provides a coherent set of experiences for students interested in pursuing this area short of a major. It requires 18/19 credits, including four art history courses, at least three advanced, one course reflecting on theories of expression or methodology, one advanced studio course and one credit of Art Gallery Practicum.

Students concentrating in art history may also elect to submit an article-length senior art history thesis and public presentation (and thus enroll in Senior Research and Senior Thesis courses).

STUDIO ART CONCENTRATION

The Studio Art Concentration requires 18/20 credits including at least three advanced studio courses at the 3000 level and one advanced art history course. Two studio areas must be represented.

In addition to regular course requirements, the art concentration program culminates with participation in the group concentration exhibition or by mounting a one-person show. The exhibition displays the students' progress and achievements in an area within the program such as ceramics, painting, printmaking, or sculpture. The exhibition is selected, developed, designed and constructed by the student through an intermediate level course with the guidance of that area's professor. All of the requirements must be satisfactorily completed before students will be certified for graduation with a concentration in studio art.

Biology

FACULTY

Chair and Associate Professor Slaughter; Associate Professors Doe and Pope; Assistant Professor Cody and N. Phillips

Biology is the exploration of the entire world of the living and the material universe as it relates to living processes. Through the study of biology, students gain an understanding of the nature and behavior of the living world and integrate this knowledge with the aid of chemistry, physics and mathematics. Scientific truths and concepts are presented in such a way as to challenge students to take an active part in the learning process through hands-on laboratory and field experiences.

The Biology curriculum is divided into three levels to ensure exploration of the full breadth of the biological sciences. In the Molecules to Cells level, students explore cellular and subcellular processes through examination of microbiology, molecular biology, genetics and cell physiology. The second level, Cells to Organisms, examines the arrangement of cells into higher-order organization in the organism through the study of anatomy, physiology, plant biology and developmental biology. At the Organisms to Populations level, the interaction between organisms and their environment is expanded to include ecological, behavioral and evolutionary processes. Students majoring in biology complete upper-division course work at each of these levels, while also having the opportunity to spend additional course work going into greater depth within a level.

The Biology Department curriculum is designed to prepare students for graduate work at the master's or Ph.D. level, for teaching in junior high and high school and for pursuing laboratory or field-based research careers. The curriculum includes course work necessary for satisfying entrance requirements to schools in health related fields such as medicine, dentistry, veterinary science and physical therapy.

A program leading to the Bachelor of Science in Biochemistry is offered jointly between the Departments of Biology and Chemistry.

MAJOR IN BIOLOGY, BA AND BS

The **B.A. in Biology** requires completion of the *Biology Core*, described below, which includes General Biology in combination with selected chemistry, physics and mathematics courses that will serve as a foundation for further study in the Department. A minimum of 22 credits of course work in Biology must be completed, in addition to General Biology I and II (8 credits). (Up to six research/ internship credits may be used to satisfy this requirement.) This requirement may be satisfied by any combination of courses offered by the Department, as long as the following conditions are met: 1) The combination must include at least three laboratory courses. 2) The combination must satisfy the *course distribution requirement*, (see following). Choice of advanced courses should be made in light of future plans and should be discussed with the student's academic advisor.

To meet the above requirements, Biology majors will ordinarily earn a minimum of 30 credits in Biology as well as extradepartmental credits in chemistry, physics and mathematics courses. A grade of "C" or better in any prerequisite course is required for advanced courses in Biology, although this requirement may be waived by permission of the instructor. To obtain the **B.S. in Biology**, students must complete all requirements indicated above plus 12 additional credits in Biology.

The *Biology Core* includes: General Biology I and II (Biology 1311/1111 and 1312/1112), General Chemistry I and II (Chemistry 1303/1103 and 1304/1104), Organic Chemistry I (Chemistry 3321/3121), one Chemistry elective (to be chosen from Chemistry 3322/3122, 3331/3131, 3335/3135, 2414/2014, or 3445) and General Physics I and II (either Physics 2311/2111 plus 2312/2112 or 2305/2105 plus 2306/2106). Biology students satisfy the core mathematics requirement with Calculus I (MAT 1404). The Biology Core requires one other mathematics course: either Calculus II (MAT 1411), any other core mathematics course, or Biostatistics (BIO 3345). Biostatistics cannot both satisfy the Biology Core mathematics requirement and apply toward the advanced Biology credits required for the B.A. or the B.S. Students contemplating graduate study should choose the two-semester Calculus sequence to satisfy the mathematics requirement and Biology Core requirement.

Course distribution requirements: To satisfy the Department's course distribution requirement, students must take at least one Biology course from each of the three subject areas indicated below. Additional courses may be approved by the Department chair to satisfy distribution requirements. Courses at the 3000 level or above require completion of General Biology I and II or AP credit for Biology.

Molecules to Cells

Biotechnology (2302/2102)
Genetics (3325/3125)
Microbiology (3327/3127)
Biochemistry I&II (3335/3336)
Experimental Techniques (3340)
Molecular Biology (4328/4128)
Advanced Genetics (4245)
Cell Structure and Function

Cells to Organisms

Human Biology (2315/2115)
Plant Biology (2341/2141)
Anatomy (3323/3123)
Immunology (3324)
Developmental Biology (3329)
Physiology (3331/3131)
Human Inf.
Disease (3334)

Organisms to Populations

Darwin (2348/2148)
Env. Science (2360/2160)
Ecology (3326/3126)
Ornithology (3331/3131)
Animal Behavior
(3346/3146)
Evolutionary Biology (3347)
Disease and Society (2317)

COMPREHENSIVE EXAMINATION

All students must pass a comprehensive examination, which is given in the senior year. This examination will generally entail a review of primary scientific literature in a specific subject area, followed by an oral presentation of findings and conclusions. Students are urged to take the Biological Literature Seminar (4360) in the fall of the senior year as preparation for the comprehensive examination.

MAJOR IN BIOCHEMISTRY

This Bachelor of Science degree program builds upon university core requirements and is a joint program between the Departments of Biology and Chemistry. See listing under Chemistry for exact requirements.

Suggested Sequence for the Bachelor of Arts Degree in Biology

YEAR I

Biology 1311, 1111	4	Biology 1312, 1112	4
Chemistry 1303; 1103	4	Chemistry 1304; 1104	4
English 1301	3	Theology 1310	3
Philosophy 1301/Language 2311	3	English 1302	3
	14	Economics 1311/Language 2312	3
			17

YEAR II		(Rome)	
Biology Elective	4	English 2311	3
Economics 1311/Philosophy 1301	3	Philosophy 2323	3
Mathematics 1404	4	History 2301	3
History 2302	3	Art 2311	3
Politics 1311	3	Theology 2311	3
	17/18		15

YEAR III			
Biology Elective	3	Biology Elective	4
Chemistry 3321, 3121	4	Chemistry Elective	4
Math 1411/Elective	3/4	Language 1302/Elective	3
Language 1301/Elective	3	Physics 2312, 2112 or 2306, 2106	4
Physics 2311, 2111 or 2305, 2105	4	Philosophy 3311	3
	17/18		18

YEAR IV			
Biology 4360	3	Biology Elective	4
Biology Elective	4	Language 2312/Elective	3
Language 2311/Elective	3	Biology 3345/Elective	3
History 1311 (or 1312 in spring)	3	Elective (or History 1312)	3
Economics 1311/Elective	3	Elective	3
	16		16

COURSES IN BIOLOGY

1301. Basic Ideas of Biology. Biological principles and information are studied through the examination of a single thematic topic such as genetics. Course work integrates the scientific discoveries within the field with applied information on the field and its societal implications. Two lectures, one laboratory period weekly. Fall and Spring.

1311, 1111. General Biology I and Lab. The first half of the general biology sequence addresses the biochemical, cellular, genetic and evolutionary levels of biological study, providing foundational information for courses in the Molecules to Cells area of the upper-division courses in the department. Three lectures, one laboratory weekly. Fall.

1312, 1112. General Biology II and Lab. The second half of the general biology sequence addresses the diversity of life and the characteristics of the different kingdoms, as well as fundamentals of development, anatomy, physiology and ecology of organisms, providing foundational information for courses in the Cells to Organisms and Organisms to Populations area of the upper-division courses in the department. Two lectures, one laboratory weekly. Spring.

2302, 2102. Biotechnology. The development of new methodologies in experimental biology is proceeding at an unprecedented pace, particularly in the area of modifying gene expression via the laboratory manipulation of DNA sequences. This 'molecular biology revolution' has rapidly advanced our understanding of how living systems function, but also holds great promise for the commercial production of useful materials and organisms in fields ranging from agriculture to drug development. This course introduces students to some of the fundamental techniques of biotechnology and explains their scientific basis, commercial applications and challenges posed by their use or misuse in the future. Three lectures, one laboratory weekly. Spring.

2315, 2115. Human Biology. An examination of human form and function through the integration of anatomy and physiology. Material covered in this course will emphasize a multi-dimensional view of the human body rooted in the biological sciences, but applicable to art, human history and psychology. It will include applied topics such as human performance, biomechanics, nutrition, medicine, mental and physical development. Three lectures, one laboratory weekly. Fall.

2317, 2117. Disease and Society and Lab. The history of infectious disease and mankind are remarkably intertwined. From diseases that date back to antiquity, such as tuberculosis, cholera, and malaria, to emerging pathogens such as West Nile and SARS, this course will explore the history of infectious disease and its impact on modern civilization. Students will explore how continuously changing technology, ecological conditions, and social practices have impacted the spread of infection. The course will examine the role of our public health institutions in disease control and prevention, including eradication and vaccination efforts. Additionally, students will study contemporary issues such as the rise in autoimmunity and antibiotic resistance.

2318, 2118. Forensic Biology. Forensic science is based on systematic observation of the natural world for the purpose of advancing criminal investigations. While there are many sub-disciplines of forensic science (e.g., ballistics, trace, entomology, anthropology), it is the appreciation of human biology that enables human identification. This course focuses on the fundamental aspects of human biology that are at the crux of crime scene investigation. Intentionally broad in scope, covering topics from macro observations (crime scene investigation, blood spatter, fingerprints, hair) to the most micro observations (cell types, serology and DNA testing). Through both lecture and lab, students will practice problem solving using the scientific method, collect and scientifically evaluate data, record results and draw logical conclusions based on the evidence, and communicate the results of their work. Three lectures and one laboratory meeting per week. Fall only.

2341, 2141. Plant Biology and Lab. A study of the origins, evolution, anatomy and function of land plants. Cell formation by apical and lateral meristems, cell differentiation and the anatomy of monocot and dicot stems, roots and leaves is described. Aspects of higher plant physiology such as photosynthesis, water relations, solute uptake, nitrogen metabolism, reproduction and responses to environmental stimuli are also discussed. Three lectures and one laboratory period. Prerequisites: Biology 1312, 1112. Fall.

2348, 2148. Darwin. Investigations of the life and discoveries of Charles Darwin. Beginning with pre-Darwinian ideas on transmutation. Darwin's life is outlined from the voyage of the Beagle to the publication of the theory of natural selections and its subsequent reception by scientific and nonscientific community. Commentary from critics and supporters of Darwin's work aid in understanding the current status of the theory of natural selection and its influence. Spring or interterm.

2360, 2160. Environmental Science and Lab. Environmental science represents the interface between ecological processes, human behavior, history and economic/political realities. This course provides students with fundamentals of the scientific principles that underlie ecological phenomena, combining scientific concepts with details on human issues related to food, air, water, land use, toxicology, population, energy, waste and environmental education. Students analyze case studies and conduct web research of global issues and undertake in-class debate of contemporary issues in environmental science. Three lectures, one laboratory weekly. Fall.

2416, 3416. Field Ecology. An introduction to ecological studies and their associated techniques. In the first week, students become acquainted with field techniques used for studying plants, birds, water and soils. Students also work with GIS/GPS to image and analyze ecological data. The second week is used for the development of independent student field research projects in an intensive backpacking/camping experience. Field experience may take place in Texas or may be an international field experience in Costa Rica. Prerequisite for 3416: Biology 1312. Mayterm.

3323, 3123. Anatomy. Human anatomical structure is examined with a strong emphasis on the integration of form and function. Organs and major systems are studied through phylogenetic analysis and laboratory investigations of the cat. The relationship between anatomy and physiology and the application of anatomical investigations to the medical field are also discussed. Three lectures, one laboratory weekly. Prerequisite: Biology 1311, 1312. Fall.

3324. Immunology. The human immune system consists of a vast array of interacting cells and molecules dispersed throughout the body, that are designed to recognize and repel anything 'foreign' while avoiding harm to 'self'. This course provides an introduction to the genetic, molecular and cellular basis of vertebrate immunity. Clinical aspects of immunology including diagnostics, immune deficiencies and their treatment and autoimmune disorders also discussed. The goal is to present a broad overview of immune function that allows students to comprehend and follow the rapid advances being made in this field. Three lectures, one laboratory weekly. Prerequisite: Biology 3327, 3127. Fall.

3325, 3125. Genetics. A study of classical genetics as well as of the molecular biology of the genetic material. Three lectures, one laboratory weekly. Prerequisite: Biology 1311, 1312. Spring.

3326, 3126. Ecology. Physiological ecology, behavior, population dynamics, community interactions and ecosystem function are studied using the framework of natural selection and adaptation. Ecological models based on fundamental mathematical principles and experimental evidence from the primary literature complement student laboratory investigations of ecological principles. Three lectures, one laboratory weekly. Prerequisite: Biology 1312, 1112. Spring.

3327, 3127. Microbiology. The majority of life on Earth, at least in terms of sheer numbers, consists of organisms too small to be seen individually with the unaided eye. All three of the currently recognized domains of life—Bacteria, Eukarya and Archaea—are represented in the microbial world, along with the viruses and subviral particles. An introduction to the structure, classification, physiology and genetics of microorganisms, as well as their distribution in nature and interactions with humans, plants and animals. The laboratory presents fundamental techniques for observing, handling and cultivating microbial cells as well as methods for identifying unknown microorganisms. Prerequisites: Biology 1311, 1312; Chem. 1304. Fall.

3329. Developmental Biology. Complex living organisms begin their existence as single cells, which must somehow give rise to diverse cell populations that are organized into characteristic forms and function coordinately. Developmental biology is the study of processes involved in creating a new organism and then modifying its structure in an orderly fashion as it progresses from an embryo to an adult. Introduction to fundamental anatomical, cellular and molecular aspects of development and to some of the rapid and exciting advances being made in this field. Focus primarily on the animal kingdom; comparisons to other organisms are included to

provide insight into the surprising conservation of structures and mechanisms that exists among living things. Three lectures weekly. Prerequisite: Biology 1311, 1312.

3330, 3130. Ornithology. Study of the anatomy, physiology, development, behavior, ecology and evolution of bird species, with particular emphasis on North American bird groups and native Texas birds. Lab exercises focus on taxonomy, identification, dissection, field trips, study skins and behavioral observations. Course also includes discussion of birds through history and their influence on the arts and human society. Three lectures, one laboratory weekly. Prerequisite: Biology 1311, 1312.

3331, 3131. Physiology. Analysis of the physical and chemical phenomena governing the functions of cells, tissues, organs and organ systems. Provide students with an understanding of the function & regulation of the human body and physiological integration of the organ systems to maintain homeostasis. Content includes neural, musculoskeletal, circulatory, respiratory, digestive, urinary, immune, reproductive and endocrine organ systems.

3334. Human Infectious Diseases. Focuses on the etiology, pathogenesis, diagnosis and immunobiology of the major microbial diseases. Provide a systems approach to various infectious processes and includes an overview of antimicrobial therapy, vaccines, sterilization and public health. Diseases covered range from relatively trivial localized infections such as acne to life-threatening systemic infections such as anthrax.

3335–3336. Biochemistry I & II. A sequential year course focusing on the study of living systems at the molecular and cellular level. An understanding of life's recurring strategies including: 1) how chemical structures of macromolecules (proteins and carbohydrates) relate to their biological function, 2) how enzyme mechanisms and energy flow catalyze reactions, 3) how interrelated metabolic pathways are regulated and 4) how biological systems store, transfer and regulate energy and information. Students acquire experience in reading and presenting the primary scientific literature. Three lectures weekly. Prerequisite: Chemistry 3322 or permission of the instructor. Biology 3135–3136 should be taken concurrently. Fall and Spring.

3135–3136. Biochemistry Laboratory I & II. Introduction to several major techniques common to biochemical investigations. Techniques include: protein purification through chromatographic separations, protein characterization through spectroscopic and electrophoretic methods, immunoassay methods, enzyme kinetics and recombinant DNA techniques. One four-hour laboratory period weekly. Prerequisite: Chemistry 3322 and concurrent enrollment in Biology 3335–3336. Fall and Spring.

3337. Exercise Physiology. A systems approach to exercise science and covers the structure and function of muscle including neuronal control, metabolism and energy expenditure, effects of exercise on the cardiovascular and respiratory systems, principles of exercise training, environmental influences on performance, performance optimization, nutrition, age and sex considerations in sport and exercise, diagnostic/characterization techniques, obesity, and disease. Problem-based learning, peer teaching, critical thinking skills are emphasized. A research project utilizing techniques learned in this course will be required. Prerequisite: BIO 3331. Spring.

3338. Nutrition. Facilitates understanding of basic and advanced concepts of nutrition. Students will gain knowledge of the different nutrients, their functions, and their sources, with emphasis on the relationship of nutrition and health. At the end of the course students will be able to identify the six different nutrients, explain how the body processes foods, identify macro and micronutrients, their functions,

sources, deficiencies and toxicities, understand basic guidelines for optimal nutrition, the relationship of nutrition to health, and assess and evaluate their own eating practices. Skills such as critical thinking, communication, empirical and quantitative reasoning, and social responsibility are stressed. Prerequisite: BIO 1311. Spring.

3340. Experimental Techniques. A laboratory based course which complements Biochemistry, Molecular Biology and Cell Biology. The techniques covered are spectrophotometry, centrifugation, using radioactive tracers, SDS gel electrophoresis, Western blotting and chromatography. Particularly useful for those intending to do summer research or working as research technicians. Prerequisite: Biology 1311, 1312. Fall.

3345. Biostatistics. Study of experimental design and data collection followed by descriptive statistics and other common statistical tests (one-and two-sample testing, analysis of variance, correlation, regression and chi-square, nonparametric tests). Course work includes statistical analysis using the computer and a final course project presenting results of analysis of biological data. Prerequisite: Biology 1311, 1312. Three lectures weekly. Spring.

3346–3146. Animal Behavior. Study of the adaptive significance of behavior includes analysis of behavioral mechanisms (genetics, neurobiology) and development (instinct, learning) and focuses on categories of behavior such as foraging, mating, sociality, territoriality and parental care. A wide range of behavioral examples, from microorganisms to humans, are used (Psychology). Three lectures, one laboratory period weekly. Prerequisite: Biology 1311, 1312. Fall.

3347. Evolutionary Biology. Study of micro and macroevolutionary processes that result in adaptive phenotypic change within and across populations. Darwin's ideas on natural selection are discussed and followed by presentation of evidence for evolution, analysis of the effects of other evolutionary forces, phylogenetic analysis, population genetics and speciation. Three lectures weekly. Prerequisite: Biology 1311, 1312. Spring.

3352. Healthcare Issues. Covers important topics in the health care environment, including regulatory structures used in the healthcare industry, economics of health care, health law and policy, HIPAA regulations, ethics in health information and delivery of health care, comparative approaches to health care in different countries, and emerging topics important to research and innovation in health care. The course will emphasize the use of case studies that apply concepts used in the course to potential real-world situations in the healthcare field. Through the course students will be required to conduct independent research to identify and use information concerning the health care and will be required to give at least one oral presentation that provides an analysis of a major issue in health care. Spring.

3V41–3V42. Special Topics. Selected topics of current interest. Fall and Spring.

3V54. Community Ecology/Research. Field investigations of ecological relationships. Projects currently include restoration of endangered bird species, wetland studies and examination of native myco-heterotrophic orchids. Three hours field work required per credit. Fall, Spring, Summer.

4245. Advanced Genetics. Investigations of the study of mutations, comparisons of random and "directed" mutations, chromosomal rearrangements and the molecular basis of selected human diseases. Student presentations of articles from the primary literature and discussion. One meeting weekly. Prerequisite: Biology 3325. Fall.

4328, 4128. Molecular Biology. The structure and activity of any living organism are ultimately dependent on information stored in its DNA genome which allows for production of nucleic acids, proteins and other molecules that allow cells to function. The goal of this course is to provide students with an understanding of what genes are at the molecular level and an overview of the mechanisms involved in transmitting, maintaining and expressing the vast reservoir of information they contain. The laboratory introduces techniques for preparing and manipulating DNA, isolating and cloning genes and expressing foreign proteins in bacterial cells. Prerequisites: Biology 3327, 3127. Spring.

4338. Cell Structure and Function. The structure and function of eukaryotic cells. The structures of the cell membrane, cytoskeleton, endoplasmic reticulum, Golgi, lysosomes, proteasomes, nucleus, mitochondria, peroxisomes and chloroplasts are described at the macro and the molecular level. The roles of the cell membrane, cytoskeleton and organelles in solute transport, signaling, constitutive and regulated secretion, cell movement, cell division, respiration and photosynthesis are illustrated. Three lectures weekly. Prerequisite: Biology 1311, 1312. Spring.

4360. Biological Literature Seminar. The techniques of searching for and acquiring information from the scientific literature and the analysis and interpretation of it. Students present oral critiques of research papers and prepare for the comprehensive examination topics. Fall of student's senior year.

4V43–4V44. Research. Research in some phase of biology. Prerequisite: Junior or Senior standing. Fall, Spring, Summer.

4V61. Advanced Ecology. In-depth scientific literature-based study of specific problems in ecology, to include field botany, parasitology, ecological genetics or other advanced ecological questions.

4V62. Advanced Microbiology. In-depth scientific literature-based study of specific problems in microbiology, to include virology, microbial-caused diseases or other advanced microbiological questions.

4V63. Advanced Physiology. In-depth scientific literature-based study of specific problems in physiology, to include exercise physiology, pathophysiology, neurophysiology or other advanced physiological questions.

4V64. Advanced Techniques. In-depth scientific literature-based study of specific laboratory techniques, with emphasis on techniques involving DNA and RNA manipulation in the laboratory.

Biopsychology Concentration

DIRECTOR

Associate Professor Slaughter

As an interdisciplinary subject biopsychology elucidates the connections between the organization of the nervous system and behavior that enable us to see how individuals engage the world. The Biopsychology Concentration addresses the study of psychology and biology as complementary disciplines that are both enhanced when combined. The inclusion of courses from both domains provides students with a basis for understanding the relationship between psychology and biology at an advanced level. This concentration will appeal to science and humanities students with a pre-health emphasis, psychology students wanting additional biological studies and biology students interested in the brain/mind behavioral interface.

Concentration Requirements 19 credit hours of study including the following required courses:

PSY 2313. General Psychology.

BIO 4V63/PSY 5V52. Biopsychology seminar. 1 credit cross-listed seminar exploring topics in biopsychology, with presentations by multiple faculty in biology and psychology as well as by students)

Two courses from

BIO 3323. Anatomy.

BIO 3331. Physiology.

BIO 2315. Human Biology.

One course from

PSY 3336. Abnormal Psychology.

PSY 3345. Fundamentals of Neuropsychology.

6 credits from

BIO 4V63. Advanced Physiology.

PSY 3354. Health Psychology.

PSY 3355. Evolutionary Psychology.

PSY 4339. Perception and Cognition.

BIO 3345. Biostatistics.

MAT 2305. Introduction to Statistics.

PSY 3425. Statistical Methods for the Social Sciences.

BIO 3123. Anatomy Lab.

BIO 3131. Physiology Lab.

GST 1158. Running.

GST 1118. Public speaking.

BIO 4V63. Medical Terminology.

BIO 3V57/GST 3V57. Internship. With approval.

Business

FACULTY

Interim Dean and Associate Professor Landry, Professors Beldona, Conger, Cosgrove, Evans, May and Whittington; Associate Professors Bell, Blanke, Fodness, Frank, Maellaro, Murray, Peregoy, Remidez, Rhame, Stodnick, Walsh and Wysong; Assistant Professors Arellano, Gu, Kendall, Miller, Mulig, Prachyl, Serviere-Muñoz and Yale; Affiliate Professor Wong; Affiliate Assistant Professors Nielsen and Olson; Affiliate Instructors Groves and Oliveti

The Bachelor of Arts in Business is a 120-hour program combining a core curriculum committed to the Western heritage of liberal education with a traditional program of business study to develop principled and moral leaders who are competent and responsible managers. The degree program is composed of the university Core Curriculum, the Business Fundamentals Core and electives. The Core Curriculum includes courses in the humanities, economics, statistics, foreign language and science. The Business Core courses represent the traditional functional areas of business. They include accounting, finance, communications, entrepreneurship, leadership, marketing, operations management, finite math for business, business ethics, social justice and business law. Elective courses may be selected from among all of the undergraduate courses. Students, likewise, are encouraged to participate in a formal internship as part of their elective course work. The program culminates with the Senior Business Seminar. This experience is an opportunity to integrate lessons from each of the areas of study within the degree program.

BETA GAMMA SIGMA

Beta Gamma Sigma (BGS) is the International Honor Society for AACSB-accredited schools. BGS was founded in 1913 to encourage and honor high academic achievement by students of business and management through AACSB-accredited business programs. Undergraduate students in their Junior or Senior year, who are in the top 5% of the class are invited (invitation only) to join BGS. Membership in Beta Gamma Sigma is the highest recognition a business student anywhere in the world can receive in a business program accredited by AACSB International.

REQUIREMENTS OF THE MAJOR

44 credit hours of study constitute the student's course work within the Business major. In addition to the university Core Curriculum, the student also must complete the credit hours necessary to graduate, with no less than 120 credit hours in total, a minimum of 38 credit hours which must be at the advanced level. Credit for Intermediate II Modern Language or approved international course must be earned in residence. To graduate with a Business degree, the student must successfully pass the comprehensive examination during his or her senior year and complete the Business Practicum.

BUSINESS PRACTICUM

A 400-hour business practicum is required for obtaining the business degree. Students must have junior status and get approval from their business faculty advisor to register for the practicum. The practicum requires that students work a minimum of 400 hours in a professional capacity at the organization of their choosing. For those students who have difficulty securing a practicum, UD provides service-learning

opportunities. Students are required to be formally evaluated by their immediate supervisor and give a brief presentation reflecting on their practicum experience.

BUSINESS FUNDAMENTALS CORE

BUS 1301. Business Foundations Seminar.

BUS 1302. Finite Math for Business.

BUS 1310. Financial Accounting.

BUS 2340. Legal Environment.

BUS 3095. Business Practicum.

BUS 3101. Applied Computer Technology or.

BUS 3103. Applied Computer Databases.

BUS 3302. Leadership and Organizations.

BUS 3306. Communication in Business.

BUS 3307. Global Entrepreneurship.

BUS 3310. Fundamentals of Managerial Finance.

BUS 3314. Managerial Accounting.

BUS 3320. Marketing Theory and Practice.

BUS 3330. Operations Management.

BUS 4090. Senior Exam

BUS 4101. Human Resource Skills.

BUS 4390. Senior Seminar.

PHI 3334. Business Ethics.

THE 3340. Social Justice.

CONCENTRATION IN BUSINESS FOR NON-BUSINESS MAJORS

PROGRAM COORDINATOR

S. Howard

The Business Concentration offers an opportunity for non-business majors to study business in addition to their major program of study. It allows the non-business student to gain a broad understanding of the field of business and prepares students for business-related issues that will arise as a facet of their chosen careers. The curriculum draws on the strengths of the college through a series of business core courses. These courses survey the traditional functional areas of the business enterprise and prepare students to interact effectively with professionals from those areas. Additionally, the courses aid students in acquiring the business knowledge, critical analysis and interpersonal skills needed for leadership roles in their careers and in social, volunteer, church and community activities.

CONCENTRATION REQUIREMENTS

19 credit hours of study include:

BUS 1301. Business Foundations Seminar.

BUS 1310. Financial Accounting.

BUS 3320. Marketing Theory and Practice.

BUS 3V57. Internship.

GST 1117. Career Development.

Select two upper BUS electives (elective cannot be fulfilled by an internship)

CONCENTRATION IN ACCOUNTING

The Accounting concentration is designed for undergraduate students who want to have additional training in accounting but do not want to sit for the CPA exam. Students will declare the concentration in their junior year and will complete an additional 13-19 credits of coursework. The concentration will be noted on the transcript. (Pre-Requisite courses include BUS 1310 Financial Accounting and BUS 3314 Managerial Accounting)

ACCT 5325. Intermediate Financial Accounting I.

ACCT 5326. Intermediate Financial Accounting II.

GST 1117. Career Development.

Select 2 of 3:

ACCT 5330. Introduction to Taxation.

ACCT 5350. Accounting Information Systems.

ACCT 5360. Auditing.

4+1 PROGRAM

The 4+1 program allows undergraduate students to complete both a bachelor of arts (BA) and a master's degree in as little as five years. Students declare intent for the 4+1 program in their junior/senior year and then submit an application to the Satish & Yasmin Gupta College of Business. Students are allowed to take up to four graduate level courses (12 credits) while completing their BA. The graduate credits are in addition to the 120 credits required for graduation with the BA. Upon graduation with the BA degree and a 3.0 GPA in the last 60 hours, the student would continue in the graduate program and complete additional credits for the master's degree. If your degree is in a field other than business, you are still eligible for the 4+1. See the Director of Undergraduate Business programs for a degree plan outlining both your undergraduate and graduate work.

4+1 MS IN ACCOUNTING

Pre-requisite courses:

BUS 1310. Financial Accounting.

BUS 3314. Managerial Accounting.

ACCT 5325. Intermediate Financial Accounting I.

Graduate classes taken as an undergraduate:

ACCT 5326. Intermediate Financial Accounting II.

ACCT 5330. Introduction to Taxation.

ACCT 5350. Accounting Information Systems.

ACCT 5360. Auditing.

Graduate Courses taken as MS Student:

BUAD 6330. Business Communication.

ACCT 6390. Business Ethics for Accounting.

ACCT 6330. Financial Statement Analysis.

ACCT 6340. Corporate Tax.

ACCT 7340. Advanced Accounting.

ACCT 8380. Accounting Research Methods.

ACCT 8395. Accounting Theory.

4+1 MS IN BUSINESS ANALYTICS

Program Prerequisites:

BUS 4390 Senior Seminar

OR **MANA 5F50 Foundations of Management and Strategy**

BUS 3320 Marketing Theory and Practice

OR **MARK 5F50 Foundations of Marketing**

TECH 5F70 Foundations of IT Management

Graduate Classes taken as an undergraduate:

BUAD 6300 Business Analytics

BUAD 6305 The Effective Leader

TECH 6362 IT Project Management

Required Courses

BUAD 8310: Business and Society

BANA 6350: Quantitative Methods

BANA 6380: Data Management

BANA 7320: Data Mining and Visualization

BANA 7365: Predictive Modeling

BANA 7380: Applied Business Analytics

BANA 8395: Business Analytics Practicum

4+1 MS IN CYBERSECURITY

Pre-requisite courses:

TECH 5F70 Foundations of IT Management

Graduate Classes taken as an undergraduate:

BUAD 6300 Business Analytics

BUAD 6305 The Effective Leader

CYBS 6350 Data Protection

CYBS 6355 Compliance and Legal Issues

Graduate courses taken as MS student:

BUAD 8310 Business and Society

CYBS 7350 Operational Cybersecurity Management

CYBS 7351 Strategic Cybersecurity Management

CYBS 7355 Penetration Testing and Vulnerability Assessment

CYBS 7359 Digital Forensics

CYBS 8395 Cybersecurity Practicum

4+1 MS IN FINANCE

Pre-requisite courses:

BUS 1310. Financial Accounting.

BUS 3314. Managerial Accounting.

ECON 1311. Fundamentals of Economics.

OR **ECON 3312. Intermediate Microeconomic Theory.**

AND **ECON 3320. Intermediate Macroeconomic Theory.**

OR **ECON 5F70. Foundations for Business Economics.**

Graduate Classes taken as an undergraduate:

ACCT 5325. Intermediate Financial Accounting I.

BUAD 6300. Business Analytics.

FINA 6305. Managerial Finance.

Graduate courses taken as MS student:

BUAD 8310. Business and Society.

FINA 7310. Intermediate Managerial Finance.

FINA 7320. International Financial Markets.

FINA 7322. Investments.

FINA 7327. Corporate Valuation.

FINA 7350. Derivatives.

FINA 8395. Portfolio Management.

4+1 MS IN GLOBAL BUSINESS

Pre-requisite Courses:

BUS 1310. Financial Accounting.

AND **BUS 3314. Managerial Accounting.**

ECON 1311. Fundamentals of Economics.

OR **ECON 3312. Intermediate Microeconomic Theory.**

AND **ECON 3320. Intermediate Macroeconomic Theory.**

OR **ECON 5F70. Foundations for Business Economics.**

Graduate Classes taken as an undergraduate:

BUAD 6300 Business Analytics

FINA 6305: Managerial Finance*

GBUS 6335: Inter-Cultural Management

Required Courses

BUAD 8310: Business & Society*

FINA 7320: International Financial Markets*

GBUS 6324: Strategic Global Marketing+

GBUS 6380: Import / Export+
GBUS 6383: Global Supply Chain Management+
GBUS 7335: Global Immersion
GBUS 8395: Global Practicum

4+1 MS IN INFORMATION & TECHNOLOGY MANAGEMENT

Pre-requisite courses:

TECH 5F70 Foundations of IT Management

Graduate Classes taken as an undergraduate:

BUAD 6300 Business Analytics

BUAD 6305 The Effective Leader

TECH 6362 IT Project Management

TECH 6370 Process Mapping and Management

Graduate courses taken as MS student:

BUAD 8310 Business and Society

TECH 7362 IT Project Scope & Time Management

TECH 7372 Enterprise Architecture

TECH 7374 Program and Services Management

TECH 7375 Strategy and IT Governance

TECH 8395 Information & Technology Management Practicum

4+1 MBA

Pre-requisite courses taken as an undergraduate:

BUS 1310. Financial Accounting.

AND **BUS 3314. Managerial Accounting.**

BUS 3320. Marketing Theory and Practice.

BUS 3330. Operations Management.

BUS 4390. Senior Seminar.

ECON 1311. Fundamentals of Economics.

OR **ECON 3312. Intermediate Microeconomic Theory.**

AND **ECON 3320. Intermediate Macroeconomic Theory.**

OR **ECON 5F70. Foundations for Business Economics.**

Graduate Classes taken as an undergraduate:

ACCT 5323. Accounting for Managers.

BUAD 6300 Business Analytics.

BUAD 6305 The Effective Leader.

MARK 6305. Value Based Marketing.

Graduate courses taken as MBA student:

BUAD 8310. Business and Society.

BUAD 8390. The Capstone Experience.

FINA 6305. Managerial Finance.

MANA 6307. Managing Complex Organizations.

MANA 8320. Global Strategy.

OPER 6305. Management of Operations.

COURSES IN UNDERGRADUATE BUSINESS

1301. Business Foundations Seminar. Introduces students to business practices, management principles and the functional disciplines within organizations. Students study contemporary issues in business within the context of the economic, moral, political, social and legal pressures on business decision-making.

1302. Finite Math for Business. Course is designed to help business students apply mathematical concepts to a wide variety of business activities. The course is computational in nature and students will learn to formulate and solve practical business problems and analyses that require finite math. The following topics are covered: linear equations, matrices, sets and counting probability, basic statistical analysis, mathematics of finance and difference equations. Upon completion of this course business students will be competent with standard business math applications that occur throughout the business curriculum.

1310. Financial Accounting. Developing an understanding of accounting processes, this course focuses on the preparation and use of accounting reports for business entities. An understanding of the uses of accounting for external reporting, emphasizing accounting as a provider of financial information, is stressed.

2340. Legal Environment. Study of law and jurisprudence relating to the conduct of business and corporate not-for-profit entities. Legal topics include forms of organization, contracts, torts, negotiable instruments and securities, product liability, agency, insurance, employment, bankruptcy, governmental regulation and legal forms and processes. Jurisprudential subjects include the relationship of law to the economic, political and social orders, the evolution of Anglo-American common law and comparative legal systems with particular attention to the Napoleonic Code.

3095. Business Practicum. The practicum requires that students work a minimum of 400 hours in a professional capacity at the organization of their choosing. A brief presentation to faculty is required after completion. The zero-credit practicum is required for graduation.

3101. Applied Computer Technology. Development of skills necessary to facilitate problem solving, decision making and communication with technology. Skill development competencies center around spreadsheets. Prerequisite: BUS 1301.

3103. Applied Computer Databases. Development of skills necessary to facilitate problem solving, decision making and communication with technology. Skill development competencies center around databases. Prerequisite: BUS 1301.

3302. Leadership and Organizations. Introduction to the process of leading within the framework and structure of complex organizations. The course examines leadership theory and behavioral science research, with an emphasis on the development of leadership and interpersonal skills through self-assessment, case analysis and experiential exercises. Prerequisite: An earned grade of "C-" or better for BUS 1301 or PSY 2313. Restricted to Sophomores, Juniors and Seniors or by approval of instructor.

3306. Communication in Business. Business professionals must be excellent communicators who can use rhetoric and persuasion to convey ideas. This course is designed to help students develop a communication strategy for effective management. Students focus on the mechanics of persuasion, argumentation, analysis and critique. Special consideration given to understanding cross cultural business communication. It is recommended that the course be taken in the first two years of the business program. Prerequisite: BUS 1301 or equivalent.

3307. Global Entrepreneurship. Course provides the unique opportunity to gain knowledge of entrepreneurial process and apply the process to examine the feasibility of a new business idea. Students examine a proposed new business concept and determine whether the idea presents a real opportunity. Focus on examining the value proposition, determining the scope and size of the market and providing the financial and economic viability of the business concept. Students will also examine the various forms and methods of entry into the international market place. Emphasis is placed on how to examine the feasibility of entering a foreign marketplace.

3310. Fundamentals of Managerial Finance. The foundational principles for managing the financial function within an organization. Students learn how to value uncertain cash flows, develop an understanding of the concept of risk, examine the relationship between risk and return and develop an understanding of the relationship between accounting and finance. Prerequisite: An earned grade of "C-" or better for BUS 1310.

3314. Managerial Accounting. The internal use of accounting techniques to support management decisions and budgeting for business operations. Prerequisite: An earned grade of "C-" or better for BUS 1310.

3320. Marketing Theory and Practice. Application- and theory-intensive study, using behavioral and economic research original-source articles, of marketing approaches applied by business firms and other organizations. Focus on the influence of the marketplace, the process of determining an enterprise's products, prices, channels and communication strategies and the preparation of a marketing plan. Prerequisite: An earned grade of "C-" or better for BUS 1301.

3330. Operations Management. Introduction to the facility and distribution alternatives available in the functional activities of materials procurement, materials transformation and product distribution. Focuses on the creation of value for customers. Prerequisite: An earned grade of "C-" or better for BUS 1301.

3V52–4V52. Topics in Business. The study of theory and practice related to contemporary business issues or as detailed or intensive coverage of advanced discipline specific content. Topics vary and course may be repeated for credit for different topics. Prerequisites: BUS 1301, Junior or Senior class standing and approval by a Business faculty advisor.

3V57. Business Internship. Enables students to develop practical skills and knowledge in a business environment. The internship must be accompanied by submission of a final paper or project. The guidelines and forms for Internships apply. Graded pass/no pass. May be taken for Business Practicum credit. Prerequisites: BUS 1301.

4090. Senior Exam. The zero credit comprehensive exam is taken the semester the student will graduate. Required for graduation.

4101. Human Resource Skills. Development of the human resource skills necessary for the effective supervision of employees. Skill development topics include

employment interviews, performance appraisals, on-the-job training and orientation, discipline, investigation, counseling and termination. Prerequisite: BUS 1301.

4303. Organizational Behavior Theory. Advanced study of the theory underlying the practice of managing behavior in organizations. Classic and contemporary readings in management, organizational behavior, social psychology and industrial-organizational psychology is used to develop the students' understanding of topics including individual differences, perception, attitudes, social cognition, motivation, interpersonal relations and group behavior in work organizations. Prerequisite: BUS 3302 or PSY 2313.

4V61. Independent Study. Independent research under the guidance of a full-time Business faculty member. Prerequisite: Declared major in Business, Senior class standing and approval of the Program Director.

4390 Senior Seminar. Integration and application of the knowledge and skills gained throughout the business leadership program through the study of global leadership strategies. Students are required to demonstrate an integrated and applied understanding of strategic leadership theory and management principles in a global context. Prerequisite: final spring semester of study.

Chemistry

FACULTY

Chair and Assistant Professor Boegeman; Professors Eaker and Hendrickson; Assistant Professor Steinmiller; Affiliate Instructor Beshirs

The Chemical Sciences are a diverse group of studies that range from the practical aspects found in our daily lives to the highly theoretical treatment of chemical systems by the methods of quantum mechanics. The formulation of fragrances; synthesis of polymers, drugs and dyes; analyses of ores, foods and pesticides; study of air pollution and environmental hazards; and the calculations of energy values of molecular orbitals are some examples of the scope of chemistry. Chemistry deals with the study of matter, its properties and transformations and with the factors underlying changes of these substances. It is a central science because its principles underlie not only the practical but also nearly every study wherever matter is concerned. The study of chemistry has intrinsic value for chemists, biochemists, a vast array of biomedical specialists and those interested in the fundamental nature of matter.

The primary aim of the chemistry curriculum is to provide students with a solid foundation for understanding chemistry. The program emphasizes the development of fundamental concepts. It is necessarily rigorous. It calls upon students to think critically, logically and creatively. The Department believes that students learn chemistry best by doing chemistry. Associated with each of the major courses is a well equipped and designed laboratory. Students learn to perform and design chemical experiments, to use modern instrumentation (including NMR, FT-IR, GC, GC-MS and AA) and computers and to experience chemical phenomena for themselves. Students at the junior and senior levels are encouraged to do research. These programs provide an excellent opportunity for students to become completely immersed into the discipline of chemistry. The **Biochemistry** major is a joint program between the Departments of Chemistry and Biology.

Two degree programs are offered in order to meet the diversity of career objectives of chemistry students.

The **Bachelor of Arts** degree program is recommended for students interested in secondary education science teaching and for those interested in a career in the health-care related professions (medicine, dentistry, veterinary medicine, etc.) and the paramedical laboratory specialties. It is important that the student consult closely with the department advisor, particularly in the selection of proper electives to satisfy entrance requirements of the various professional schools. The prospective secondary school teacher will also consult with the Department of Education.

The **Bachelor of Science** degree is recommended for those who seek employment as a chemist/biochemist or who intend to study chemistry in graduate school. Research is required for the B.S. degree.

THE JOHN B. O'HARA CHEMICAL SCIENCES INSTITUTE

Providing an intensive experience in chemical sciences, the O'Hara Institute awards eight credits in general chemistry. It involves the student in classroom and laboratory work, seminars and various extracurricular activities of the university summer session. Students eligible are those who will be freshmen at the university in the fall. Those selected for the Institute normally receive a scholarship covering room, board and tuition. **Potential Chemistry and Biochemistry majors are strongly encouraged to participate in the O'Hara program to allow more time for research and electives.** Applications are due by April 1 and award letters are mailed by April 5.

The O'Hara Institute also supports undergraduate research at the university through scholarships for research during the summer. University students of junior standing should contact the Institute Director for a listing of available research positions.

BASIC REQUIREMENTS FOR THE CHEMISTRY DEGREES

- I. **B.A. degree:** 33 credit hours in chemistry to include: Chemistry 1303/1103, 1304/1104, 2414/2014, 3320, 3321/3121, 3322/3122, 3331/3131, 3335/3135, 3151, 4153. Also, Biology 1311/1111; Physics 2311/2111, 2312/2112; Math 1404, 1411.
- II. **B.S. degree:** 45 credits in chemistry including 33 hours as indicated for the B.A. degree plus Chemistry 3332/3132, 4454 and four credits of student research. Also Biology 1311/1111; Physics 2311/2111, 2312/2112; Math 1404, 1411.
- III. **B.S. degree in Biochemistry:** 38 credits in chemistry to include: Chemistry 1303/1103, 1304/1104, 2414/2014, 3321/3121, 3322/3122, 3151, 3331/3131, 3335/3135, 3336/3136, 4153 and four credits of student research. Also Biology 1311/1111, 1312/1112 and two selections from 3325/3125, 3327/3127, 4328/4128 and 4338; Physics 2311/2111, 2312/2112; Math 1404, 1411.

A grade of "C" or above in a prerequisite course is required for enrollment in an advanced course in chemistry. A passing grade on the American Chemical Exam is required for prerequisite courses taken off campus. In 2-semester sequence courses a grade of D- or better is required in the first semester for enrollment in the second semester. This requirement may be waived by permission of the instructor. Chemistry and biochemistry majors are encouraged to take additional courses (e.g., advanced organic chemistry, inorganic chemistry, the second semester of physical chemistry for biochemistry majors) beyond the specified required courses. Selection of a foreign language depends upon background, interest and future plans.

Comprehensive Examination

All Chemistry and Biochemistry majors must pass a general written comprehensive examination, which is given early in the spring semester of the senior year. The examination consists of questions in general chemistry, analytical chemistry, organic chemistry, physical chemistry and biochemistry. Questions are based upon prior course work. A study guide and sample questions are available from the Department. Students earn a pass with distinction, pass, low pass, or failure.

Suggested Sequence for the Bachelor of Science Degree in Chemistry

YEAR I

Chemistry 1303/1103	4	Chemistry 1304/1104	4
Mathematics 1404	4	Mathematics 1411	4
English 1301	3	English 1302	3
Theology 1310	3	Philosophy 1301	3
	14		14

YEAR II

Chemistry 2414/2014	4	English 2311	3
Biology 1311/1111	4	History 2301	3
Economics 1311	3	Philosophy 2323	3
Politics 1311	3	Theology 2311	3
	14	Art 2311	3
			15

YEAR III

Chemistry 3321/3121	4	Chemistry 3322/3122	4
Language 2311	3	Language 2312	3
Physics 2311/2111	4	Physics 2312/2112	4
History 2302	3	Chemistry 3320	3
Chemistry 3151	<u>1</u>	Chemistry 4153	<u>1</u>
	15		15

Summer Research 4

YEAR IV

Chemistry 3331/3131	4	Chemistry 3332/3132	4
Chemistry 3335/3135	4	Chemistry 4454	4
History 1311 (or 1312 in spring)	3	Elective (or History 1312)	3
Philosophy 3311	3	Elective	<u>3</u>
Elective	<u>1</u>		14
	15		

Suggested Sequence for the Bachelor of Science Degree in Biochemistry**YEAR I**

Chemistry 1303/1103	4	Chemistry 1304/1104	4
Mathematics 1404	4	Mathematics 1411	4
English 1301	3	English 1302	3
Biology 1311/1111	<u>4</u>	Biology 1312/1112	<u>4</u>
	15		15

YEAR II

Chemistry 2414/2014	4	English 2311	3
Philosophy 1301	3	History 2301	3
Biology Elective	4	Philosophy 2323	3
Theology 1310	<u>3</u>	Theology 2311	3
	14	Art 2311	<u>3</u>
			15

YEAR III

Chemistry 3321/3121	4	Chemistry 3322/3122	4
Language 2311	3	Language 2312	3
Physics 2311/2111	4	Physics 2312/2112	4
History 2302	3	Philosophy 3311	3
Chemistry 3151	<u>1</u>	Chemistry 4153	<u>1</u>
	15		15

Summer Research 4

YEAR IV

Chemistry 3331/3131	4	Biology Elective	3/4
Chemistry 3335/3135	4	Chemistry 3336/3136	4
History 1311 (or 1312 in spring)	3	Politics 1311	3
Economics 1311	<u>3</u>	Elective (or History 1312)	<u>3</u>
	14		13/14

COURSES IN CHEMISTRY

1303–1304. General Chemistry I & II. Basic laws, principles and theories relating to changes in the composition of matter together with a presentation of the common metals and nonmetals, their physical and chemical properties as correlated by their electronic structure. Three lectures weekly. Fall (I) and Spring (II).

1103–1104. General Chemistry Laboratory I and II. Chromatography, calorimetry, acid/base and redox titrations, inorganic synthesis and displacement reactions and chemical equilibrium. Analysis and identification of the most common cations and anions. One three-hour laboratory period weekly. Fall (I) and Spring (II).

1401. Basic Ideas of Chemistry. Course develops central principles of chemistry and examines applications of those principles in both historical and current perspectives. Specific topics include atomic theory of matter, polyatomic and molecular structures, physical and chemical properties of substances, chemical reactions and uses and abuses of chemicals. The laboratory gives students experience in performing manipulations and measurements of chemical substances representative of materials commonly encountered in modern society. Instrument systems, both simple and sophisticated, are utilized in analyses of samples ranging from pure substances to complex mixtures requiring careful separation. Three lectures and one laboratory period per week. Fall or Spring.

1402. Basic Ideas of Forensic Chemistry. A survey of fundamental principles of chemistry routinely utilized in forensic examinations. A prime goal of this course is the development of an understanding and appreciation of the use of the scientific method of investigation. The lecture component begins with an overview of forensic science and then covers a series of units in forensic chemistry. Lectures focus on analytical procedures, beginning with specific chemical reagents for spot tests and progressing through discussions of DNA analyses. The laboratory component of the course consists of a series of case studies in which students (working as a forensic team) subject items of physical evidence to chemical tests and procedures, interpret the data and present results to resolve the crime. Three lectures and one laboratory period per week. Fall and Spring.

2414–2014. Analytical Chemistry. A lecture/laboratory course dealing with the theory and practice of quantitative chemical analysis. Topics include a survey of classical wet chemical techniques in gravimetry and titrimetry as well as introductory instrumental methods in spectroscopy, electrochemistry and chromatography. Three lecture periods and two laboratory periods (two-hours each) weekly. Prerequisites: Chemistry 1304 and 1104. Fall.

3151. Chemical Literature. Systematic use of printed and on-line resources in chemistry. Students learn how to effectively search chemical literature to find chemical information. Fall.

3320. Inorganic Chemistry. Descriptive chemistry of the elemental groups in terms of the electronic structures of the atoms, bonding theory and the periodic properties of the elements. Study of acid-base theories, reduction-oxidation theory, coordination chemistry and symmetry properties. Three lectures weekly. Prerequisite: Chemistry 1304 and 1104. Spring alternate years.

3321–3322. Organic Chemistry I & II. A sequential year course. Structural theories and properties of organic compounds; stereochemistry; functional group analysis; class reactions and organic synthesis; mechanism of reactions as applied to the study of aliphatic, aromatic heterocyclic compounds and classes of biologically significant compounds. Special emphasis on spectroscopic methods for molecular structure determination. Three lectures weekly. Prerequisite: Chemistry 1304. Fall (I & II) Spring (I & II).

3121–3122. Organic Chemistry Laboratory I & II. Sequential year course accompanying Chemistry 3321 and 3322. Theory and practice of functional group determination; IR and NMR spectroscopy for molecular structure determination;

synthetic methods and class reactions; chromatographic methods for isolation and identification. One four-hour laboratory period weekly. Prerequisite: Chemistry 1104. Fall (I & II) Spring (I & II).

3331–3332. Physical Chemistry I & II. Study of the underlying physical principles that govern the properties and behavior of chemical systems. Topics include thermodynamics, gases, chemical kinetics, quantum mechanics, spectroscopy and statistical mechanics. Three weekly lectures. Prerequisite: Chemistry 1303 and 1304; Math. 1404 and 1411. Fall and Spring.

3131–3132. Physical Chemistry Laboratory I & II. Laboratory experience that demonstrates the application of physical chemical principles and develops the ability to write comprehensive lab reports. The treatment of experimental data and error analysis is emphasized. Experiments include calorimetry, UV/VIS spectroscopy, IR spectroscopy, rates of reaction, equilibrium and quantum chemistry. Prerequisite: concurrent enrollment in Chemistry 3331–3332. Fall and Spring.

3335–3336. Biochemistry I & II. A sequential year course focusing on the study of living systems at the molecular and cellular level. An understanding of life's recurring strategies is developed, including: 1) how the chemical structures of macromolecules (proteins and carbohydrates) relate to their biological function, 2) how enzyme mechanisms and energy flow catalyze reactions, 3) how interrelated metabolic pathways are regulated and 4) how biological systems store, transfer and regulate energy and information. Students acquire experience in reading and presenting the primary scientific literature. Three lectures weekly. Prerequisite: Chemistry 3322 or permission of the instructor. Biology 3135–3136 should be taken concurrently. Fall and Spring.

3135–3136. Biochemistry Laboratory I & II. Introduction to several major techniques common to biochemical investigations including: protein purification through chromatographic separations, protein characterization through spectroscopic and electrophoretic methods, immunoassay methods, enzyme kinetics and recombinant DNA techniques. One four-hour laboratory period weekly. Prerequisite: Chemistry 3322 and concurrent enrollment in Biology 3335–3336. Fall and Spring.

3445. Environmental Chemistry. A lecture/laboratory course dealing with the environmental domains of the atmosphere, the lithosphere, the hydrosphere and the biosphere. Emphasis given to study of the major chemical systems in each domain, with hands-on laboratory applications of natural samples. Three lectures and one three hour laboratory period weekly. Prerequisite: Chemistry 3321/3121 or consent of instructor. Spring.

4153. Chemistry Seminar. Presentations, readings and discussions on topics from primary scientific literature in chemistry or biochemistry. Emphasis on the mechanics, style and substance of giving scientific presentations. Each student gives at least one presentation. Course cannot be used to satisfy requirements of Chemistry 4V43–4V44. One class weekly. Prerequisite: Chemistry 3151. Spring.

4331. Advanced Organic Chemistry. A study of reactions and syntheses. Emphasis is placed on synthetic applications and relationships between structure and reactivity. Prerequisite: Chemistry 3322. Spring, alternate years.

4332. Physical Organic Chemistry. Modern concepts of bonding, stereochemistry, molecular orbital theory and methods employed to determine reaction mechanisms and reactive intermediates. Extensive use is made of current literature. Prerequisite: Chemistry 3322. Fall, alternate years.

4454. Instrumental Chemical Analysis. A lecture/laboratory course dealing with the theory and practice in instrumental methods of chemical analysis. Lecture topics include a survey of the fundamental components and operational functions of spectroscopic, electrochemical, chromatographic and mass spectrometer instrument designs. Laboratory experiments include hands-on applications utilizing instruments available in the chemistry department. Three lecture periods and two laboratory periods (two-hours each) weekly. Prerequisite: Chemistry 2414/2014, Chemistry 3322/3122 and Chemistry 3331/3131. Spring alternate years.

4V41–4V42. Special Topics. Selected topics in the area of interest of an instructor or a need and request by students. Fall and Spring.

4V43–4V44. Research I. Supervised independent research course in any area of chemistry or biochemistry. Enrollment requires permission of the instructor. The "V" in the course number indicates that this course is for variable credit. A temporary grade of "T" is recorded until a written report is submitted to and accepted by the instructor and an oral presentation is given on the research project. Normally, the presentation is scheduled during the semester immediately following the term in which the research work is undertaken. Research I can be taken more than once, but the total number of Research I credits that a student can receive is six. 4V43 Fall, Summer; 4V44 Spring.

4V45–4V46. Research II. Supervised independent research course in any area of chemistry or biochemistry. Four credits of Research I is a prerequisite for Research II. Otherwise, the only difference between Research I and Research II is that Research II is a pass/no pass course. Enrollment requires permission of the instructor. The "V" in the course number indicates that this course is for variable credit. A temporary grade of "T" is recorded until a written report is submitted to and accepted by the instructor and an oral presentation is given on the research project. Normally, the presentation is scheduled during the semester immediately following the term in which the research work is undertaken. Research II can be taken more than once, but the total number of Research II credits that a student can receive is six. 4V45 Fall, Summer; 4V46 Spring.

Classics

FACULTY

Chair and Associate Professor Sweet; Professor Hatlie; Assistant Professor Danze; Affiliate Assistant Professors Asso and Davies (English)

Western Civilization's approach to education for 2500 years has been "classical" in the extended sense, in that it has been based on the study of works of the first rank, those reflections of the greatest minds that have had the most effect on the way humans have lived their lives. Until recently it has also been "classical" in the limited sense, in that it has given particular emphasis to the principal works of Greek and Latin authors, those that have been most formative in shaping the reflections of their successors, whether poets or theologians, philosophers or statesmen. "Classical" in the extended sense describes the university's core curriculum; "classical" in the limited sense describes the curriculum of the Classics Department. We look on Classics as still having its traditional role at the heart of a university education and in this view we are supported by the core curriculum itself, which puts great emphasis on classical authors and by many departments in the university which encourage their own students to learn classical languages or who join with us in offering double majors in Classics and, for example, English or Politics or Philosophy.

The function of a classical education has always been threefold: first, to engage the mind in the investigation of revolutionary ideas; second, to train the tongue to speak with power and articulation; third, to fire the imagination with examples of conduct that will guide us in our confrontation with life. The classical authors are sometimes mistakenly supposed to be out of date, but they posed to themselves the problems of the human condition in terms that have not changed and they found solutions with which we still live, though often unaware. These solutions were radical at the time that they were devised and they remain so, for every generation that recognizes them must begin again by going back to the roots of things. There, the ideas live with the freshness of the first shoots of spring. For each age they blossom forth in language that has repeatedly enchanted the western world, supplying it with paradigms for imitation as well as instruments for analysis. We not only aspire to speak like the ancients, but also to understand our own use of speech, by depending on their grammar, rhetoric and logic. When we act, we do so within an ethical framework that was given its theoretical form by classical philosophers and its practical substance and color by classical poets and statesmen. Because of its attention to thought and word and deed, classical education has been held up as a model for Western civilization and its utility is no less now than it has ever been. Students who major in Classics, therefore, may apply their training in all the ways that their predecessors have, specifically to work, such as a professional career in law, medicine, public service, the clergy or teaching and more generally to life as a whole, since it is this whole to which education will always look in the end.

Besides learning to read the great works of classical antiquity, students of Classics also gain direct access to the Christian tradition, since it was primarily in Greek and Latin that Christian spirituality initially took literary shape, flourished thereafter in the great theologians and poets and continues to illuminate our lives today.

THE CORE IN GREEK OR LATIN

On the first-year and second-year levels, the beginning student is most of all concerned with learning the language well, for the study of language can be mind-forming in itself. The student becomes more aware of the variety of language structures, of differences and similarities in thought and in expression. As the student's knowledge of the classical language grows, he finds that he also begins to express himself more clearly and precisely in his own language because of his increased understanding of the true meanings of the many words and phrases in English which are derived from classical sources.

To some extent on the second-year level and to a great extent in advanced courses the student puts his knowledge of the language to work. He reads, studies and writes critically about the best writers of antiquity. The writers studied in these courses are chosen because of their concern with man's understanding of himself and of the ties that bind him to the divine and human worlds. As the student reads and contemplates the works, the awareness of the importance of such matters for his own life increases, as does his appreciation for the beauty and clarity with which the ancient writers have dealt with the abiding questions of human existence.

Students may fulfill the **Constantin College Core** requirement in language through courses in Latin or Greek. Those who have studied either language extensively at the high school level may be eligible to complete the core by taking one advanced level course (3000 or above). Others less well prepared will need to take two to four courses, mostly at lower levels. Consult the Basic Requirements for the Bachelor of Arts Degree in this bulletin. A placement examination is required of all new students and may be required of continuing students who have interrupted their study beyond one semester. Placement into a 3000-level course in Latin with three second-year level credits will be awarded for a rating of "5" on an Advanced Placement Examination.

THE MAJORS IN CLASSICAL PHILOLOGY AND CLASSICS

The Classics Department offers two majors. Either helps a student to build on his earlier preparation in the core and to study the writers of classical antiquity in ever greater depth. Both require eight advanced courses; and it should be noted that the advanced language requirements are the same in both, until a student has taken three advanced language courses in one classical language. But there are some salient differences, which we roughly summarize. (For further details, see the *Basic Requirements and Suggested Sequence* for each degree.)

The major in **Classical Philology** is excellent preparation for graduate and professional school, particularly for graduate work in Classics. Students wishing to teach at pre-college levels will also want this major. It requires at least six advanced language courses in either Greek or Latin, but leaves some room for courses taken in translation on the history, politics, literature, art, or philosophy of antiquity.

The major in **Classics** requires only four advanced language classes in either Greek or Latin. There is thus more space for advanced courses in translation on the history, literature, art, or philosophy of antiquity. This is designed for students who do want a thorough grounding in the language and life of the ancient world, but have less time for advanced language study—perhaps because they came with little or no prior training in Greek and Latin; or for some other reason.

Both majors train students well in languages. That in Classical Philology is one of the most rigorous in the country; in recent years it has enabled UD students to be accepted by some of the nation's best Ph.D. programs.

Junior Paper, Classical Philology major only. At the end of the junior year the Classical Philology major writes a research paper of around 12 pages. The general topic of the paper is determined by the subject of one of the advanced literature courses in the major language for which the student is enrolled during the second semester, although the student chooses the specific topic in consultation with the professor for the course. The junior paper becomes part of the grade for that course. Through this project the student develops his ability to sustain a lengthier and more complex argument than has usually been required in his advanced language classes. The student reads widely in primary and secondary sources and gains experience in making critical judgments of ancient thinkers and contemporary scholars.

Senior Project and Comprehensive Examination, Classical Philology and Classics majors. In the last undergraduate year, students in both majors complete the *senior comprehensive examination* appropriate to that major, primarily in fall and write and present a *senior project* of at least 20 pages, usually in spring. Through his performance on the three parts of the *comprehensive examination* (ancient history, philology, interpretation of literature) each student reveals his increased knowledge of the classical languages and his understanding of antiquity as a whole. The *senior project* enables the student to bring together the fruits of his experiences in the various courses to produce an original critical treatment of a major author, work, or theme. He presents the results of the project to an audience of faculty and students near the end of the spring semester.

Concentrations

For details see Language Concentrations. All concentrations involving Latin or Greek must be approved by the Classics Chairman. See also the Concentrations in Medieval and Renaissance Studies and Contemplative Studies for which Classics can be an important component.

Associations and Honors

The Department sponsors a **Classics Club**, for which all students are eligible and a chapter of the national honor society **Eta Sigma Phi**, to which outstanding juniors and seniors are nominated by the faculty. The **Fr. Placid Award** may be given annually to a senior whose exceptional achievements warrant it.

Teaching Latin

The Department participates with the Education Department in preparing students for secondary school certification in Latin. Consult the Education listing.

SUMMER PROGRAMS IN CLASSICS

The Summer Institute in Classics offers First-Year Latin I and II, Second-Year Latin I and First-Year Greek I and II. Advanced Latin courses are offered as needed and may be taken for graduate credit. A week-long Advanced Placement Summer Institute for Latin teachers is offered each July. Check with the chairman for details.

BASIC REQUIREMENTS FOR THE CLASSICAL PHILOLOGY MAJOR, FOCUS IN GREEK OR LATIN

24 advanced credits:

18 must be in the chosen major language (Greek or Latin), at the 3000 level or above. Included in these 18 are: Advanced Grammar and Composition (Greek 3324 or Latin 3324) and Senior Project in the major language (Greek 4342 or Latin 4342).

6 additional credits are selected from offerings at the 3000 level or above in the major or second language or, by permission of the chairman, may be chosen

from advanced offerings in literature, politics, philosophy, history, etc., either in the Classics Department (CLC courses in English translation) or in other departments (related field). Whenever possible, the Classics faculty will assist the student in doing work CLC or in the related field courses in the appropriate classical language.

The second language (Greek or Latin) must be completed through one second-year course (Greek 2315, Latin 2311). Advanced courses are recommended.

Reading knowledge of one modern language, preferably French, German, or Italian is determined through an examination administered by the program advisor in consultation with professors in the appropriate language. The student must pass this examination no later than the end of the junior year. Students may also fulfill this requirement by completing two courses at the second-year level or equivalent.

Junior Paper: Written at the end of the junior year.

Senior Project: Written and presented orally at the end of the senior year.

Passing the **Comprehensive Examination** is a requirement for graduation and must be completed by the end of March of the senior year.

Suggested Sequence for Classical Philology Major

The following outline assumes that the student is able to study Latin at the second-year level in the freshman year. If the student must begin with Latin 1301 or 1305, he should plan to take one or more courses during at least one summer session. The outline also assumes that Classical Philology majors will participate in the Rome Program in the spring semester of the sophomore year.

YEAR I

Latin 2311	3	Latin 2312 or Economics 1311	3
Greek 1301	3	Greek 1302	3
English 1301	3	English 1302	3
Philosophy 1301	3	Theology 1310	3
Politics 1311	3	Art, Drama, Math, Music	3
	15		15

YEAR II

Adv. Major Language	3	(ROME)	
Greek 2315	3	English 2311	3
English 2312	3	History 2301	3
History 2302	3	Theology 2311	3
Art, Drama, Math, Music	3	Art 2311	3
	3	Philosophy 2323	3
	15		15

YEAR III

Adv. Major Language	3	Adv. Major Language	3
Philosophy 3311	3	Science	4
Science	3	History 1312	3
History 1311	3	Elective or Modern Language	3
Elective or Modern Language	3	Elective	3
	15		16

YEAR IV

Adv. Major Language 3324	3	Adv. Major Language	3
Elective	3	Senior Project 4342	3
Economics 1311 or Elective	3	Major or Second Language	
Major or Second Language		or Related Field/CLC	3
or Related Field/CLC	3	Elective or Modern Language	3
Elective or Modern Language	3	Elective	3
	15		15

BASIC REQUIREMENTS FOR THE CLASSICS MAJOR, FOCUS IN GREEK OR LATIN

24 advanced credits:

12 must be in the chosen major language (Greek or Latin) at the 3000 level or above.

6 minimum may be selected from offerings at the 3000 level or above in Classics Department courses in English translation (CLC).

6 additional credits may be chosen, with advice from the chairman, from offerings in other departments at the 3000 level or above in the literature, politics, philosophy, history, etc. of the ancient world (related field).

Whenever possible, the Classics faculty assists the student in doing work for CLC and related Field courses in the appropriate classical language

The second language (Greek or Latin) must be completed through one second-year course (Greek 2315, Latin 2311). Advanced courses are recommended.

Senior Project: Written and presented orally at the end of the senior year.

Passing the **Comprehensive Examination** is a requirement for graduation and must be completed by the end of March of the senior year.

Suggested Sequence for the Classics Major

This outline assumes that Classics majors will participate in the Rome Program in the spring semester of the sophomore year.

YEAR I

Greek 1301	3	Greek 1302	3
Latin 1301	3	Latin 1302	3
English 1301	3	English 1302	3
Philosophy 1301	3	Theology 1310	3
Politics 1301	3	Art, Drama, Math, Music	3
	15		15

YEAR II

Greek 2315	3	(ROME)	
Latin 2311	3	English 2311	3
English 2312	3	History 2301	3
History 2302	3	Theology 2311	3
Art, Drama, Math, Music	3	Art 2311	3
	15	Philosophy 2323	3
			15

YEAR III

Adv. Major Language or Latin 2312	3	Adv. Major Language	3
Philosophy 3311	3	Science	4
History 1311	3	CLC or Related Field	3
CLC or Related Field	3	History 1312	3
Science	3	Economics 1311	3
	15		16

YEAR IV

Adv. Major Language	3	Adv. Major Language or	
Elective	3	Second Language or Elective	3
Adv. Major Language or		Senior Project	3
Second Language or CLC	3	Elective	3
Elective or Second Language or CLC	3	Elective	3
Elective	3	Elective	3
	15		15

COURSES IN CLASSICS

3301. Fundamentals of Rhetoric. Introduction to the art of speaking persuasively, as taught by the Greeks and Romans. Systematic approach to composing and delivering speeches. Study of model orations, ancient and modern, in English translations. Extensive practice.

3330. Historical Linguistics. The structural and the comparative approach with an emphasis on Indo-European languages. The formal, historical and cultural connotations of man's symbol-creating capacity as manifested in vocabularies and grammar. Conducted in English.

4340. Classical Mythology. A study, through the reading of a series of texts in English translations, of the nature, the uses and the development of Classical mythology as it appears in poetry and philosophy.

4350. Special Topics in Classics. Three-credit courses offered as needed, focusing on particular authors, periods, genres, or other topics of interest to teachers and students. For advanced students only.

COURSES IN GREEK

1301–1302. First-Year Greek I and II. Essentials of the grammar and syntax of ancient Greek, both classical and koine. Reading of easy passages from classical prose writers and the New Testament. Understanding of the Greek elements in Western culture. Fall and Spring.

2315. Second-Year Greek. Grammar review and study of more advanced syntactical structures. Selected readings from classical Greek prose and poetry.

3119. Greek Language Internship. A one-credit practicum, under the direction of a language professor, involving three hours a week on assignments such as planning and conducting sessions for elementary language classes. Excellent experience for those planning to teach foreign language. Graded Pass/No Pass. May be repeated three times. Does not fulfill requirements for the majors or concentrations.

3324. Advanced Grammar and Composition. Required for Classical Philology majors whose primary language is Greek. Offered every other year.

3325. Greek Historians. Readings in Herodotus or Thucydides or both. A study of their aims, methods and distinctive styles and a consideration of the principles in terms of which they understand historical action. Offered every other year.

3326. Greek Tragedy. Reading of one of the tragedies of Aeschylus, Sophocles, or Euripides, focusing on drama as a means of investigating human nature and the relationship between man and the city. Offered every other year.

3327. Homer. Extensive reading from either the Iliad or the Odyssey. Study of the Homeric world, Homeric language and poetic style. Offered every other year.

3328. Plato. Reading of one or more dialogues with an emphasis upon their literary form and philosophical content. Offered every other year.

3334. Biblical Greek Readings. Begins with an introduction to Koine Greek, focusing on its distinctive grammar, vocabulary and syntax. Longer continuous passages are read from Septuagint, a Gospel and a letter of Paul. Some exegesis of select texts. Offered every other year.

3335. Patristic Readings. An introduction to the rich tradition of Greek patristic literature that analyzes texts of four or five major writers from the II to the V century, usually including Ignatius, Athanasius, one of the Cappadocians, Cyril of Jerusalem and John Chrysostom. Offered as needed.

3V50–5V50. Special Topics in Greek. Courses offered as needed, focusing on topics of interest to teachers and students. For advanced students only.

4342. Senior Project. See description under The Majors.

4V51. Independent Research.

COURSES IN LATIN

1301–1302. First-Year Latin I & II. Latin grammar and syntax with some emphasis on the historical background of the language and the principles of word-formation. Reading of simple texts. Fall and Spring.

1305. Grammar Review. Designed for students who have studied the equivalent of at least two years of Latin at the secondary school level but need an intensive review in order to study at the second-year level. Open to students with no prior training in Latin by permission of the chairman. Fall only.

2311. Second-Year Latin I: Roman Prose. Selected readings of Roman prose writers, primarily Cicero. Prerequisite: Latin 1302, Latin 1305, or equivalent. A placement exam is required for those who have not completed either of these courses. Fall and Spring.

2312. Second-Year Latin II: Roman Poetry. Selected readings from the works of Catullus, Vergil and Ovid. Prerequisite: Latin 2311. Fall and Spring.

3119. Latin Language Internship. See description under "Greek 3119."

3324. Advanced Grammar and Composition. Translation and composition to improve grasp of grammar and syntax and to acquire a sense of style. Required for Classical Philology majors whose primary language is Latin and recommended for those seeking accreditation to teach Latin in secondary school. Offered every other year.

3325. Roman Philosophy. Reading and study of Lucretius and Cicero, to investigate the nature of philosophic writing and to seek understanding of the peculiarly Roman contribution to the Western philosophical tradition. Offered every other year.

3326. Roman Lyric. Selected poems of Catullus, Vergil (Eclogues) and Horace (Odes). A study of the uses, the power and the diversity of lyric poetry in Latin. Offered every other year.

3327. Roman Drama. Reading of two comedies, one of Plautus and one of Terence; additional readings from a tragedy of Seneca. Emphasis on the specific character of drama of Rome, as compared to Greece and on the nature and function of comedy. Offered every other year.

3328. Roman Historians. Reading in Sallust, Livy and Tacitus. A study of their aims, methods and distinctive styles and a consideration of the analytical and didactic functions of Roman historiography. Offered every other year.

3329. Roman Satire. Reading of the satires of Horace and Juvenal and of the *Cena Trimalchionis* of Petronius. Consideration of the question of satire as a uniquely Roman invention. Offered as needed.

3330. Vergil. Aeneid. A reading of selections from the poem in Latin and a study of the poem as a whole in translation. Offered as needed.

3331. Roman Elegy. Readings in Tibullus, Propertius and Ovid (amores). Investigation of the nature of elegy in Rome and comparison of each elegist's aims. Offered as needed.

3332. Cicero. Translation of one of Cicero's works and study, primarily in translation, of additional writings of his with emphasis on his understanding of the education of the statesman in oratory and philosophy. Offered as needed.

3334. St. Augustine. Selections from the *Confessions* reveal a fascinating human being, a most influential Christian thinker and a great master of Latin prose. Offered every other year.

3335. Medieval Latin Readings. This course explores the rich heritage of medieval Latin literature from the fifth century of Leo the Great to the thirteenth century of Thomas Aquinas and Bonaventure: prose and poetry, texts of history and philosophy, theology and spiritual writings. Offered as needed.

3V50–5V50. Special Topics in Latin. Courses offered as needed, focusing on topics of interest to teachers and students. For advanced students only.

4342. Senior Project. See description under The Majors.

4V51. Independent Research.

5V45. Teaching Latin (Ed. 5V45). A course in the special concerns of teaching Latin in secondary school; evaluation of various approaches to teaching Latin; practice in pronunciation and in explaining the structures of the language; ways of relating the cultural background to the language foreground. Required for Latin teaching field if the student has no experience in teaching Latin. Does not fulfill requirements for the majors or concentrations.

BIBLICAL GREEK CONCENTRATION

Following the university guidelines for Language Concentrations and utilizing its unusual resources in languages and scripture study, a student may earn a concentration in Biblical Greek. It requires five courses as follows:

Clg. 2315. Intermediate Greek.

Clg. 3334. Biblical Greek Readings.

Clg. 3335. Patristic Greek.

Two approved advanced courses in Scripture.

Comparative Literary Traditions

FACULTY

Co-Directors Associate Professor Maddux and Affiliate Assistant Professor L. Eidt; Professor Dupree; Associate Professor J. Eidt; and Participating Faculty

The program in Comparative Literary Traditions proposes studying the European cultural legacy as forming a complex but coherent whole. It conceives of Europe rather as one might a closely-knit family whose members, with all their differences, possess a common heritage and individually have influence and continue to influence each other in myriad ways. In considering these intertwining traditions, the program studies chiefly their higher cultural manifestations: not only literary works in the narrow sense, but any products of human art which can be said to bear a meaning and are in some way expressive of a culture. What we wish to investigate is how Europe has imagined itself and how its self-imagination has developed over time.

BASIC REQUIREMENTS

Thirty advanced credits in all, consisting of one *introductory* course, Principles of Comparative Studies (MCT 3309); three *epoch* courses organized around historical eras, one from each of three periods: Medieval-Renaissance (MCT 3310–29, or an appropriate 4000-level course), Early Modern (3351–69, or an appropriate 4000-level course) and Modern (MCT 3370–89, or an appropriate 4000-level course); two literary survey courses in two different literary/linguistic traditions, one of which must be in the target language; two 4000-level *focus* courses (in particular linguistic/literary traditions); Senior (Honors) Thesis (MCT 4347 or 4349); and one CLT elective. Students must pass a comprehensive exam in the Spring of the Senior year.

Students electing to major in this program should have reading competence in one European language by the beginning of the Junior year and are strongly encouraged to acquire reading knowledge in another European language.

The CLT major allows integration of various kinds of foreign-language components, notably a Language Concentration (four courses). The CLT major can also be combined with a French, German, or Spanish major.

CONCENTRATION IN COMPARATIVE LITERARY TRADITIONS

Concentration Director: Associate Professor Maddux

Five three-credit courses in all: three MCT courses at the 3000-level; two more courses, any combination of MCT courses at any level (3000 or 4000) or the survey courses MCTF3305 or MCTG3305.

Suggested Sequence for a Degree in Comparative Literary Traditions

YEAR I

Art, Drama, Math, Music	3	Economics	3
English 1301	3	English 1302	3
History 1311	3	History 1312	3
Language 2311	3	Language 2312	3
Philosophy 1301	3	Theology 1310	3
	15		15

YEAR II (during Sophomore Year)

English 2311 and 2312	6
History 2301–2302	6
Philosophy 2323	3
Theology 2311	3
Politics 1311	3
Art, Drama, Music	3
Math	3
Science	3-4
	30-31

YEAR III

Intro MCT 3309	3	EPOCH II (Early Modern)	3
EPOCH I (Med/Ren)	3	F/G/I/S LIT TRAD course	3
Philosophy 3311	3	Science	3-4
Elective or core course	6	Elective or core course	6
	15		15-16

YEAR IV

EPOCH III (Modern)	3	MCT 4347/9	3
MCTF/G 3305	3	FOCUS	3
FOCUS	3	MCT elective	3
Elective or core course	6	Elective or core course	6
	15		15

COURSES SPECIFIC TO COMPARATIVE LITERARY TRADITIONS

For an explanation of the CLT course numbering system, see the CLT courses page on the university website.

INTRODUCTORY AND EPOCH (MCT 3000 COURSES)

3309. Introduction to Comparative Traditions. Theory and practice of literary study in the comparative mode, including concepts of genre, literary history, social representation, translation, influence, adaptation and intertextuality. Required for the CLT major.

3310–29. Epoch I: Medieval. A range of courses dealing with European literatures during the Middle Ages and Renaissance.

3310. Special Topics in Medieval-Renaissance (SMR).

3311. King Arthur in Europe I: The Search for the Holy Grail. An introduction to Arthurian literature principally of the twelfth and thirteenth centuries, emphasizing the French and German Grail romances: Chrétien de Troyes' *Perceval le Gallois*, Wolfram von Eschenbach's *Parzival*, the Vulgate Cycle's *Quête du Saint-Graal*.

3312. King Arthur in Europe II: Lancelot. Similar to the above, but emphasizing the figure of Lancelot, King Arthur's friend, chief knight and chief betrayer. Studies texts written in French, German and other languages. Includes study of the Tristan legend. Particular emphasis on the French prose romances used by Thomas Malory in his fifteenth-century *Morte D'Arthur*.

3321. J.R.R. Tolkien: Heroic Fantasy and the Literary Tradition. A study of Professor Tolkien's literary project in the light of his ancient and medieval models, especially: *Beowulf*, the *Volsungasaga*, the two *Eddas*. Must already have read *The Hobbit* and *The Lord of the Rings*.

3330. Historical Linguistics. An introduction to modern approaches to the study of language, culminating in an inquiry into the origins, historical development and kinship of Indo-European languages.

3V50. Special Topics.

3351–69 Epoch II: Early Modern. A range of courses dealing with European literatures from the late sixteenth to early nineteenth centuries.

3351. Special Topics in Early Modern (SEM).

3362. European Romanticisms in Literature and the Arts. European romanticism was an international movement that had profoundly influential manifestations in literature, art, music, history and philosophy. A comparative study of the major international currents in European romanticism, drawing from the literary, artistic and musical traditions of France, Germany, Spain and Italy and occasionally also England. Offered in English.

3370–89 Epoch III: Modern. A range of courses dealing with European literatures from the mid-nineteenth century to the present.

3370. Special Topics in Modern (SMO).

3371. Monuments of Early Modernism: Picasso, Stravinsky, Eliot. Three works of art created between 1908 to 1922 were prominent ground-breaking models for what was to come in subsequent decades. This course examines not only their important early work but also the nineteenth-century currents upon which they drew, such as symbolism and impressionism; contemporary movements such as Futurism and the French avant-garde; and others, such as Matisse, Barque, Schoenberg and Pound, who were rivals or collaborators.

3372. European Modernisms and the Avant-gardes in Literature, Film and the Visual Arts. Modernist and avant-garde writers, artists and filmmakers from Germany, Italy, Spain and France, with some overlaps into Latin America. Covers movements such as Expressionism, Dada, Futurism, Cubism, Surrealism, Creacionismo, Ultraismo and *La generación del 27*. Taught in English.

3381. Contemporary Europe: Crossing Borders in Literature and Film. The borders and perceptions of "the other" on various levels, discussing personal, social, cultural and national identity and otherness in European literature and film. We will look at political border-crossings between cultures and countries, issues of immigration and marginalization, borders of identity and the notion of the double, transgressions of social borders and the motif of the madman or social outcast and the borders between reality and fiction.

ADVANCED COMPARATIVE (MCT 4000 COURSES)

4324. The Menippean Tradition. Masters of a variety of narrative stretching back to ancient times and including such writers as Seneca, Petronius, Lucian, Rabelais, Cervantes, Swift, Carroll, as well as many others who created works that both parody established literary forms and draw attention to the conventions of structure and representation embodied in "official" literary genres. Also listed under English Language and Literature as **4374. Menippean Satire**.

4347. Senior Thesis.

4349. Senior Honors Thesis.

4V51. Independent Research. As needed.

4V50, 5V50. Special Topics.

FRENCH FOCUS (AND OTHER MCTF COURSES)

3305. Introduction to French Literature. This course, taught in English and requiring no prior knowledge of the French language, is meant as a quick introduction to the high points and overall sweep of French literature: what every cultivated person needs to know. Taught every other year alternating with the corresponding course in German.

4000-level French focus courses (MCTF) will be cross-listed as French 4000-level courses (MFr) and have the same numbers. See French course listings.

5311–5312. French for Reading Knowledge I and II. Designed especially for students needing quickly to reach reading competency in French. Fall and Spring every other year alternating with the corresponding sequence in German.

5315. Introduction to Old French. An introduction to the Old French language (9th through 13th centuries) and some of the great authors, titles and genres of medieval French literature (ca. 1100 to 1500). Provides the tools necessary for reading in the original language texts such as the *Chanson de Roland*, the *Roman de la Rose* and the *Quête du Saint-Graal* and authors such as Chrétien de Troyes, Marie de France, Thomas d'Angleterre, Rutebeuf, Joinville, Froissart, Christine de Pisan and François Villon. Permission of the instructor required. Offered as needed.

5316. Topics in Old French. Further readings in Old French. Offered as needed.

5V50. Special Topics. Courses offered as needed.

GERMAN FOCUS (AND OTHER MCTG COURSES)

3305. Introduction to German Literature. This course, taught in English and requiring no prior knowledge of the German language, is meant as a quick introduction to the high points and overall sweep of German literature: what every cultivated person needs to know. Taught every other year alternating with the corresponding course in French.

4000-level German focus courses (MCTG) will be cross-listed as German 4000-level courses (MGE) and have the same numbers. See German course listings.

4346. Wagner and the 19th century. Studies the many faceted phenomenon that is Wagner and his effect upon the art, culture, thought and even consciousness of his century and on the modernist age that followed. The course examines Wagner's innovation in music, as well as his enormous impact upon the artistic consciousness of 19th century Europe.

5311–5312. German for Reading Knowledge I and II. Designed especially for graduate students seeking advanced reading competency in their discipline. Offered Fall and Spring every other year alternating with the corresponding course in French.

5V50. Special Topics. Courses offered as needed.

OCCITAN FOCUS (MCTO COURSES)

5317. Introduction to Old Occitan. An introduction to medieval Occitan, a.k.a. Old Provençal, the language of the troubadours, the lyric poets in the South of France who, in the twelfth century, inaugurated the tradition of *fin' amors* ("courtly love"). Provides the basic linguistic tools necessary for reading these and other Occitan texts in the original. Offered as needed.

For literature courses in French, German, Italian and Spanish, see listings in Modern Languages. Advanced literature courses in French, German, Italian and Spanish may also be offered as MCTF/MCTG/MCTI/MCTS courses.

Computer Science

FACULTY

Director and Assistant Professor Hochberg; Assistant Professor Andrews; Cooperating Faculty from Mathematics and Physics

The computer science program at the University of Dallas focuses on forming algorithms to solve problems, translating those algorithms into programs and understanding how computers interpret those programs. This process requires both creativity and careful reasoning. Students master these through a rigorous curriculum taught in a small liberal-arts college environment emphasizing teacher-student interaction. All this will prepare students for an outstanding career in computer science.

One of the unique aspects of the UD computer science program is its strong relationship with the outstanding core curriculum of the university. The ability to communicate complex ideas is of essential importance to the design of computer programs and documentation. This ability is best developed through a classical liberal arts program. One of the most important goals of the computer science curriculum is for students to apply the written and oral communication skills they learn in the core program to their work as a computer scientist.

It is anticipated that our graduates will be leaders in computer science who will have not only a technical expertise but also a deep, reflective grasp of the human element in computer science. It is our vision that they will be well-adjusted, morally responsible individuals, with an understanding of how they will perfect themselves and serve their fellow man in and through their continuing work in a rapidly changing field.

BASIC REQUIREMENTS

I. B. A. Degree 32 credits in Computer Science 1410, 2315, 3312, 3316, 3317, 3352, 3451; 9 credits of Math or Computer Science, 6 of which must be at the advanced level (3000 or above); Also Math 1404, 1411, 3321; Physics 2311 and 2111, 3363; Philosophy 5332 or Human Sciences 3312. The student must also complete a Computer Science practicum (an internship, large programming project, or research project). The course sequence is such that Computer Science majors should plan to go to Rome in the Spring of their sophomore year.

II. B. S. Degree 12 additional hours in math or computer science beyond those required by the B.A., including MCS 3311 and MCS 4V43.

COMPREHENSIVE EXAMINATION

Student must pass written and oral exams taken in the senior year over the topics in the required major courses.

Suggested Sequence for the Bachelor of Arts in Computer Science Degree

The following is a representative sequence of the courses to be taken by students in the computer science major. The exact sequence will depend on the schedule of course offerings and the student's background and interests.

YEAR I

Computer Science 1410	4	Computer Science 2315	3
Mathematics 1404	4	Mathematics 1411	4
English 1301	3	English 1302	3
Philosophy 1301	3	Theology 1310	3
Language 2311	3	Language 2312	3
	<u>17</u>		<u>16</u>

YEAR II

Computer Science 3316	3	Art 2311 (Rome)	3
Mathematics 3321	3	English 2311 (Rome)	3
Physics 2311/2111	4	History 2301 (Rome)	3
English 2312	3	Philosophy 2323 (Rome)	3
History 2302	3	Theology 2311 (Rome)	3
	<u>16</u>		<u>15</u>

YEAR III

Computer Science 3317	3	Computer Science 3451	4
Major Elective	3	Major Elective	3
History 1311	3	History 1312	3
Politics 1311	3	Economics 1311	3
Philosophy 3311	3	Life Science	4
	<u>15</u>		<u>17</u>

YEAR IV

Computer Science 3312	3	Computer Science 3352	3
Major Elective	3	Philosophy 5332 or HUSC 3312	3
Physics 3363	3	Electives	6
Electives	6		<u>12</u>
	<u>15</u>		

Suggested Sequence for the Bachelor of Science in Computer Science Degree

YEAR I

Computer Science 1410	4	Computer Science 2315	4
Mathematics 1404	4	Mathematics 1411	4
English 1301	3	English 1302	3
Philosophy 1301	3	Theology 1310	3
Language 2311	3	Language 2312	3
	<u>17</u>		<u>16</u>

YEAR II

Computer Science 3316	3	Art 2311 (Rome)	3
Mathematics 3321	3	English 2311 (Rome)	3
Physics 2311/2111	4	History 2301 (Rome)	3
Politics 1311	3	Philosophy 2323 (Rome)	3
History 2302	3	Theology 2311	3
	<u>16</u>		<u>15</u>

YEAR III

Computer Science 3317	3	Computer Science 3451	3
Major elective	3	Major Elective 3	3
History 1311	3	Economics 1311	3
Math or CS elective	3	Math or CS elective	3
Philosophy 3311	3	Life Science	4
	<u>15</u>		<u>17</u>

YEAR IV

Computer Science 3312	4	Computer Science 3352	3
Major Elective	3	Philosophy 5332 or HUSC 3312	3
Physics 3363	3	Computer Science 3311	3
Electives	6	Computer Science 4V43	3
	15	Electives	3
			15

COURSES IN COMPUTER SCIENCE

- 1101. Unix and Systems Administration.** Fundamentals of the Unix operating system and topics relevant to managing a Unix network.
- 1410. Introduction to Computer Science.** Introduction to the design of programs and algorithms and the fundamental ideas and concepts of computer science, with emphasis on the development of problem solving strategies and good programming style using functional languages. Lists, structures, contracts, unit tests. Fall.
- 2102. Other Programming Languages.** May be repeated. Covers programming languages such as Perl, C, C++, Ruby, Python, etc. Prerequisite: MCS 1410.
- 2103. Computing Practicum.** May be repeated. Topics chosen according to interests of students and instructors, e.g. debugging tools, GUI design. Prerequisite/Co-requisite: MCS 1410.
- 2315. Discrete Structures.** Introduction to procedural and object-oriented programming, including loops and branching, structured programming, objects and inheritance, and several common data structures: arrays, stacks, queues and trees. Mathematical topics include: induction and counting, theorems on trees and graphs and elementary algorithms. Prerequisite: MCS 1410. Spring.
- 3311. Theory of Computation.** Abstract models of computing machines and the data they process are developed. These are used to study the theoretical limitations of what they can achieve. The ultimate goal is to develop a sufficiently general model of computation where one may discover universal laws that govern all programming languages together with the computing machines which may be built to interpret them. The topics covered are the theory of automata, formal languages, computability by Turing machines and Church's thesis. Proofs are required. Prerequisite: MCS 3316 or consent of instructor.
- 3312. Analysis of Algorithms.** A mathematical study of the complexity of fundamental algorithms in computer science. Prerequisite: MCS 3316.
- 3316. Advanced Discrete Structures.** A deepening and extension of the topics learned in Discrete Structures. New topics include: hashes and maps, heaps and priority queues, logic, discrete probability, sets, relations and functions, and proof techniques. Prerequisite: MCS 2315.
- 3317. Computer Organization.** Hardware design methods in particular formal models of simple register machines are developed and then used to study program interpretation and compilation techniques. Some topics in storage allocation such as garbage collection and maintaining the illusion of infinite memory are also discussed. A sizable programming project is required. Prerequisite: MCS 3316.
- 3352. Programming Languages.** Study of the fundamental principles in the design and implementation of programming languages. Study includes the mathematical theory behind these principles and students must be comfortable with proofs. Top-

- ics include the substitution model, hierarchical structures, the environment model, metalinguistic abstraction and memory representation. Students write their own language interpreter. Prerequisite: MCS 3316.
- 3451. Operating Systems and Concurrent Programming.** A survey of the issues involved in the design and implementation of modern timesharing, multitasking systems. Topics covered include scheduling algorithms, synchronization problems, memory management and file management. Students partially write their own operating system. Prerequisite: MCS 3316.
- 3V57. Internship. Graded Pass/No Pass.**
- 4410. Compiler Design.** Exploring the issues related to the design and implementation of programming language translators including formal grammars and parsing, semantic definitions and semantic processing, run-time storage management and symbol tables, error recovery, code generation and as time permits optimization of compiled code. Students write a significant amount of a compiler on their own, a large and complex coding project.
- 4V43. Research in Computer Science.**
- 4V50. Special Topics in Computer Science.**
- 4V61. Independent Studies.** An opportunity for the student to examine in depth any topic within the field under the guidance of the instructor. For advanced students

Computer Science Concentration

DIRECTOR

Assistant Professor Andrews; Cooperating Faculty from Mathematics and Physics

The Computer Science Concentration is a bridge to the future for any major at the university. The concentration helps prepare arts, humanities and science majors for a wide range of opportunities. The core courses required for the concentration are considered the beginning "breadth" courses for more advanced study in computer science. Therefore, one may pursue graduate studies in computer science by building on the concentration.

Anyone is eligible. Any major may complete the Computer Science Concentration. The prerequisites are minimal. Previous concentrators have included students majoring in art, economics, English, history, philosophy, physics and mathematics.

The concentration consists of the following five courses.

MCS 1410. Introduction to Computer Science

MCS 2315. Discrete Structures

MCS 3316. Advanced Discrete Structures

MCS 3317. Computer Organization

Advanced Computer Science Elective, or Computational Physics (PHY 3363), or other elective approved by the director.

Drama

FACULTY

Chair and Associate Professor Lemieux, Emeritus Professors Judith French Kelly and Patrick Kelly; Associate Professors Cox and S. Novinski; Affiliate Assistant Professor Turbyne

STUDY OF DRAMA

A person committed to the study of theater within the framework of a liberal education must be prepared to work toward two goals: first, a thorough competence in the basic skills of dramatic expression and interpretation; and, concurrently, a view that comprehends dramatic art as it relates to, expresses and extends the surrounding culture.

The development of this twofold capability is the aim governing the structure of the Drama Department's major program: the students' balance of course work and continuing practical development in university Theater productions is closely coordinated with their overall experience of the university and the demands of the core curriculum.

Besides providing the foundation for graduate study and training in the theatrical professions, the Drama major may prepare students for graduate work in other academic disciplines as well in the fields of teaching, law, communications and, with proper choice of electives, medicine.

UNIVERSITY THEATER

Under the direction of the Department, University Theater is an extracurricular organization that presents a series of major productions annually. Each production's acting company and technical crew is composed of students from every university program.

The goal of the University Theater is to provide the university community with a repertoire of productions representing the most stimulating artists, forms and visions from the world of drama.

BASIC REQUIREMENTS

35 hours in all. In addition to the university's core requirements, which may include Theater History, Drama 3310, Drama majors must take three credits of 1101 or 4142 (Theater Arts Workshop or Studio Rehearsal & Production) and 29 hours of advanced credit: Drama 3301, 3310, 3312 or 3313, 3332, 3335, 3336, 4141, 4341, 4342 or 4V61, 4142, 4345 and a three credit upper division elective in Drama department offerings or in related courses from other departments, such as Shakespeare, Greek Tragedy, Roman Drama, French Drama in the Twentieth Century, German Drama, Contemporary Drama in Spain, Elizabethan and Jacobean Drama, etc.

COMPREHENSIVE EXAMINATION

The Comprehensive Examination is given early in the Spring semester of senior year. Drama majors must pass this examination covering Theater History, Theater Literature, Production, Contemporary Theater and Stage Craft or Stage Design to fulfill requirements for graduation. The Examination may be taken a second time or a separate section may be repeated if necessary.

CONCENTRATION IN DRAMA

DIRECTOR

Associate Professor Lemieux

The Drama Concentration offers an opportunity for non-drama majors to expand and further their knowledge and experience in Drama in addition to their major program of study.

Concentration Requirements

Students must complete the following course requirements with a minimum of 15 earned hours:

DRA 3310. Theater History.

Two (2) courses selected from the following:

DRA 3301. Acting.

DRA 3312. Stage Craft.

DRA 3313. Stage Design.

DRA 3332. Basic Staging.

Students must also take either:

DRA 3335. Theater Literature I. or

DRA 3336. Theater Literature II.

In addition, students must participate in at least three (3) productions produced by University Theater for credit, as follows:

DRA 1101. Theater Arts Workshop. – must be taken at least twice (2).
(**DRA 3357. Special Topic/Mainstage.** may be substituted for DRA 1101.)

DRA 4142. Studio Rehearsal/Production. must be taken at least once (1).

MAJOR IN DRAMA

YEAR I

English 1301	3	English 1302	3
History 1311	3	History 1312	3
Language 1301 (or 2311)	3	Language 1302 (or 2312)	3
Philosophy 1301	3	Theology 1310	3
Drama 1101 or 4142	1	Drama 1101 or 4142	1
Drama 3310 Theater History	3		13
	16		

YEAR II (during Sophomore Year)

English 2311 and 2312	6
History 2301–2302	6
Philosophy 2323	3
Economics 1311	3
Drama 1101 or 4142	1
Drama 3301 Acting	3
Theology 2311	3
Electives (or Language)	3–6
	28–31

YEAR III

Drama 3335 Theater Lit I	3	Drama 3312 or 3313	3
Life Science	3	Drama 3336 Theater Lit. II	3
Philosophy 3311	3	Drama 3332 Basic Staging	3
Math	3	Physical Science	4
Politics 1311	3	Elective	3
	15		16

YEAR IV

Drama Elective	3	Drama 4342 Production	3
Drama 4341 Directing	3	Drama 4142 Studio Rehearsal	1
Drama 4141 Directing Lab	1	Electives	12
Drama 4345 Seminar	3		16
Electives	6		
	16		

COURSES IN DRAMA

1101. Theater Arts Workshop. A course specially designed for students seeking credit for participating in University Theater productions. Graded Pass/No Pass. May be repeated. Fall and Spring.

2103. Lyric Theater. A workshop for selected students to present scenes and excerpts from musicals and opera. Taught in conjunction with music program. Graded Pass/No Pass.

3301. Acting. An intensive exploration of the imaginative conditioning, sensory awareness and craft disciplines which provide the basis of acting technique. Fall.

3304. Modern Drama. Readings in the modern European and American repertoire. Fall and Spring.

3305. Playwriting. The organization of narrative line, character and dialogue in an original dramatic text. Credit is given only to those who complete satisfactory manuscripts within the time limits of the course. Offered as needed.

3310. Theater History. A survey of the practice and significance of theater in Western culture from classical antiquity through modern period. Fall and Spring.

3312. Stage Craft. A study of the fundamentals of scenery construction, costuming and stage lighting. Supervised laboratory hours of practical production work on University Theater productions are required.

3313. Stage Design. Introduction to scenic, costume and lighting design.

3330. Experimental Theater. Practical application of accumulated classroom skills in independent research or creative project. Prerequisite: permission of the instructor.

3331. Topics in Advanced Acting. A semester concentrated upon one performance technique (for example, Shakespearean verse; improvisation; modern realism, etc.) Prerequisites: Drama 3301, appropriate stage experience and permission of instructor. May be taken twice for credit towards graduation if content is different.

3332. Basic Staging. Technique of realizing the dramatic action of a script through analysis of the play, development of floorplan, blocking, phrasing of activity and work with actors. Spring.

3335. Theater Literature I. A study of major works of dramatic literature from Aeschylus to Congreve. Fall.

3336. Theater Literature II. Continuation of Drama 3335. Plays considered range from 19th through mid-20th century. Spring.

3V57. Special Topic. Course not listed but offered as a regular course according to student interest and faculty availability.

4312. Advanced Stage Craft. Advanced studies in costuming, scenery construction and/or stage lighting. Prerequisites: Drama 3312 and permission of instructor.

4313. Advanced Stage Design. Scenic, costume, makeup and/or lighting design problems and techniques, tailored to the advanced student. Prerequisites: Drama 3313 and permission of instructor.

4332. Educational Theater. A course in the special problems of the teacher or director of dramatics in an educational situation. Fall and Spring.

4336. Theater of An Era. The significant drama and worldwide theatrical practice during a particular historical period, e.g., Ancient Theater, Renaissance Theater, 18th Century Theater, Victorian Theater, Early 20th Century Theater, Avant-Garde Theater, Contemporary Theater. Offered as needed.

4337. National Theater. The development of dramatic literature and theatrical practice in one nation throughout its history, e.g., American Theater, British Theater, French Theater, German Theater, Greek Theater, Irish Theater, Italian Theater, Russian Theater, Scandinavian Theater.

4141. Directing Lab. Scene study with particular focus upon staging solutions for director and actor. Graded Pass/No Pass. May be repeated. Fall.

4142. Studio Rehearsal/Production. Supervised rehearsals, design and production meetings for studio productions scheduled in conjunction with 4342. Enrollment limited to student stage managers, production coordinators and cast members in studio productions. May be repeated. Graded Pass/No Pass. Fall and Spring.

4341. Directing. Analysis and application of the theories and methods of play direction. Prerequisites: Drama 3301, 3332, 3335, 3336 and extensive experience in University Theater rehearsal and performance. Fall.

4342. Production. Creative culmination of the drama major's course of study in the directing and studio production of a play. Prerequisites: Drama 3301, 3332, 3335, 3336, senior standing, extensive experience in University Theater, especially in Stage Management and faculty approval. Fall and Spring.

4343. Advanced Production. Directed individual advanced projects in acting, design, or production management. Prerequisite: Senior standing and faculty approval.

4345. Departmental Seminar—Contemporary Theater. Readings and seminar discussions in contemporary theater geared toward the special needs of senior drama majors serving as final preparation for the comprehensive examination. Fall.

4V61. Independent Research.

5332. Improvisation for Teachers. Development of the imaginative techniques of creative dramatics, theater games, creative experience for groups and improvisational learning.

Economics

FACULTY

Chair and Assistant Professor Weston; Associate Professor Doyle; Assistant Professor Ramos; Affiliate Assistant Professor Leonard

Economics is the study of the principles that govern individual and social choice under conditions of scarcity. Finance is the field that applies economic principles to understanding the flow of funds between savers and investors and the role of money and the payments system in the broader economy.

Modern economic theory seeks to explain the ways in which the market process coordinates production and distribution within the social division of labor. In addition to providing students with a thorough grounding in Microeconomic Theory, Macroeconomic Theory, Monetary Theory, Financial Theory and Quantitative Economics, the Economics and Economics and Finance majors at the University of Dallas also enable students to extend their studies into the more interdisciplinary areas of Economics such as Economic History, Political Economy, Economic Development, Comparative Economic Systems and the History of Economic Thought.

MAJOR IN ECONOMICS

The curriculum is designed to enable students to acquire a thorough grounding in economic theory; to understand the methods and insights of the economic way of thinking; to study classic works in economics; to learn the economic history of western civilization; and, to gain a specialized understanding of those aspects of contemporary economics that are of most interest to them.

BASIC REQUIREMENTS

Economics 1311, 3312, 3320, 3327, 3328, 3340, 4325 and four additional upper-level elective courses. Students must have a minimum of 30 upper division Economics credits to graduate with the B.A. in Economics. It is strongly recommended that students complete the quantitative methods sequence (Economics 3327–3328) no later than their Junior Year. Internships strongly recommended. Students intending to pursue graduate study in Economics will find either a double major in Economics and Mathematics or a major in Mathematics and core Economics courses desirable. Consult department faculty for advice concerning preparation for graduate studies in Economics.

Suggested Sequence for Economics Major

YEAR I

Economics 1311	3	English 1302	3
English 1301	3	History 1312	3
History 1311	3	Language 1302 (or 2312)	3
Language 1301 (or 2311)	3	Philosophy 1301	3
Mathematics	<u>3</u>	Mathematics	<u>3</u>
	15		15

YEAR II (during Sophomore Year)

Economics 3312	3
English 2311–2312	6
History 2301–2302	6
Philosophy 2323	3
Theology 1310, 2311	6
Language 2311, 2312 or Electives	6–8
	30–32

YEAR III

Economics 3320	3	Economics 3328	3
Economics 3327	3	Economics 3340	3
Philosophy 3311	3	Politics 1311	3
Science	3	Science	3
Art, Drama or Music	3	Elective	3
	15		15

YEAR IV

Economics Electives	6	Economics 4325	3
Electives	9	Economics Electives	6
	15	Electives	6
			15

MAJOR IN ECONOMICS AND FINANCE

The major consists of courses in the theory and mathematics of finance, as well as in economics and is designed for liberal arts and sciences students with an interest in the field of finance. It provides a foundation in economics and the allied field of financial theory, coupled with courses in those specializations that either bridge both fields of study or are used as tools in financial analysis.

BASIC REQUIREMENTS

Economics 1311, 3312, 3320, 3322, 3327, 3328, 3330, 3340, 4325, 4337, 4338 and Business 1310. Students must have a minimum of 30 upper division credits in Economics to graduate with the B.A. in Economics and Finance. It is strongly recommended that students complete the quantitative sequence (Economics 3327–3328) no later than their Junior Year. Internships highly recommended. Students intending graduate studies in Finance should include at least a year of calculus in their program.

Suggested Sequence for Economics and Finance Major**YEAR I**

Economics 1311	3	English 1302	3
English 1301	3	History 1312	3
History 1311	3	Language 1302 (or 2312)	3
Language 1301 (or 2311)	3	Philosophy 1301	3
Mathematics	3	Mathematics	3
	15		15

YEAR II (during Sophomore Year)

Economics 3312	3
English 2311–2312	6
History 2301–2302	6
Philosophy 2323	3
Theology 1310, 2311	6
Language 2311, 2312 or Electives	6–8
	30–32

YEAR III

Economics 3320	3	Economics 3328	3
Economics 3322	3	Economics 3340	3
Economics 3327	3	Politics 1311	3
Philosophy 3311	3	Science	3
Science	4	Art, Drama or Music	3
	16		15

YEAR IV

Economics 3330	3	Economics 4325	3
Business 1310	3	Economics 4337	3
Philosophy Elective	3	Economics 4338	3
Electives	6	Electives	6
	15		15

COMPREHENSIVE EXAMINATION (Required for Both Majors)

The required comprehensive examination is given in the last semester of the senior year. It consists of two mandatory sections. Students must pass each section in order to qualify for graduation. Students who fail either or both of the parts of the examination are offered an opportunity to retake the failed section(s) before the final week of classes.

COURSES IN ECONOMICS AND FINANCE

1311. Fundamentals of Economics. Introduction to the fundamental concepts developed by modern economists for understanding the nature of the exchange economy and explaining the uniqueness of its prosperity in contrast to other economic systems. Special emphasis is placed on the U.S. economy as a source of examples and a medium for explanation. Readings from original sources stimulate awareness of distinctive alternative views of central economic questions as well as of the ethical dimension of economic activity. Fall and Spring.

3312. Intermediate Microeconomic Theory. Modern consumer theory and the theory of the firm. Market coordination and adjustment. Topics include: consumer demand, theories of production and production costs, pricing and output under competitive and non-competitive conditions, factor usage and pricing and rudiments of general equilibrium analysis. Prerequisite: Economics 1311. Fall and Spring.

3320. Intermediate Macroeconomic Theory. The determination of national output, income and employment in the long run and short run. National income accounting. Full employment, long run macroeconomics. International trade and finance in the long run. Introduction to monetary theory. The static and dynamic versions of the equation of exchange, the velocity of money, inflation and deflation. An introduction to business cycle theory. The aggregate demand-aggregate supply model. The

IS-LM framework in closed and open economies. Fiscal and monetary policy in the long run and the short run. The expectations adjusted Phillips Curve and the policy trade-off. Prerequisite: Economics 1311. Fall and Spring.

3322. Fundamentals of Finance. The basic concepts of finance and an introduction to the mathematics of finance. Financial institutions, markets and financial statements. The basic principles of cash flow analysis, key financial ratios, interest rates and taxes on returns to investment. The risk and return trade-off, time value analysis, present and future values, financing options and valuation of bonds and common stock. An individual, empirical project enables students to evaluate the financial condition of contemporary business firms. Prerequisite: Economics 1311. Fall.

3327. Statistical Theory and Methods. Parametric and non-parametric techniques utilized in statistical analysis. Major topics include sampling, probability analysis, hypothesis testing, normal distribution, the binomial distribution, analysis of variance, correlation, simple regression and statistical inference. An individual project exemplifies real life application of techniques of research design and inference. No prerequisite. Fall.

3328. Econometrics. Extends applications of statistical techniques to business, economic analysis and basic econometrics. Stochastic multiple regression and CLR models are investigated and harmonized with time series models. Underlying assumptions are probed in detail and solutions are discussed to overcome violations. Qualitative dummy variables and Bayesian approach are introduced in regression. Time series analysis with Box-Jenkins, VAR and ECM models as well as Panel data is investigated to prepare best possible forecasting models. An individual project enables students to apply methodology to a practical situation. Prerequisite: Economics 3327. Spring.

3329. Quantitative Economics. A mathematical restatement of the economic theory contained in Microeconomics and Macroeconomics. Topics include: indifference analysis, isoquant analysis, cost minimization, profit maximization, equilibrium conditions in final goods and factor markets, general equilibrium of a market economy. Keynesian multipliers and the IS, LM and Aggregate Demand model. Mathematical tools used to express these relationships include functions of one or more variables, simple differentiation, partial and total differentiation, matrix algebra, simple differential equations, exponents and logs. Prerequisite: Economics 1311. Spring.

3330. International Economics and Finance. The microeconomic and macroeconomic foundations of international trade and finance. Classical and modern versions of comparative advantage. Tariffs and other forms of protectionism. Balance of payments, exchange rates and adjustment mechanisms. Foreign commercial policies of the United States. The functioning of the international monetary system. Prerequisite: Economics 1311. Fall.

3340. Money, Banking and Financial Markets. Emphasis on financial markets and institutions. The foundations of interest rates in the principles of discounting and the role of interest rates in the temporal allocation of goods, services and productive resources. Money, asset markets and interest rate determination. The risk and term structure of interest rates. The structure and performance of financial markets, including the economics of asymmetric information, financial regulation, the risk-return trade off, derivatives and Efficient Capital Market theory. Exchange rate determination and international finance. The economics of fractional reserve banking and the money supply process. Central banking and the goals and targets of monetary policy. Prerequisite: Economics 3320 or consent of instructor. Spring.

4325. History of Economic Thought. This class explores the development of economic philosophy from ancient Greece to current developments in modern micro and macroeconomics. Emphasis will be placed on studying original texts of authors such as Aristotle, Aquinas, Smith, Ricardo, Marx, Keynes, and Hayek among others. By analyzing economic texts and authors in their contemporary social, political, and economic contexts, the class explores how real economic and philosophical currents influence inquiry and innovation in economic science and practice. Prerequisite: Economics 1311. Fall and Spring. Preference will be given to seniors if enrollment is tight.

4332. Comparative Economic Systems. The diversity of approaches human communities have taken to solving economic questions. The similarities and differences between countries with varied forms of economic organization such as capitalism, communism, socialism and communalism, from their philosophical origins to their implementation in real world economic systems. Developing economies, economies in transition, and wartime economies such as those in Iraq and Afghanistan are also addressed. How modern systems engage differently with issues such as healthcare, immigration, education, crisis and financial markets, economic development and the environment. Prerequisite: Economics 1311. Spring.

4334. Industrial Organization. Structure and performance of markets. Evaluation of government regulation of monopoly and antitrust policy. A critical examination of the theories of concentration, advertising, dominant firms and other purported anti-competitive influences. Prerequisite: Economics 3312.

4335. Economic Development. An examination of the different theoretical approaches that seek to explain economic change and development in less developed geographic and geopolitical entities. An examination of important economic institutions and theories of development, including the Catholic Church's approach to economic development related issues and current data about the developing world. Important controversies in the area of economic development, such as inequality, education, health, food, micro credit and finance, international trade and international aid and development policies. Attention will also be paid to current policy and practice of international governments and aid organizations in the developing world. Prerequisite: Economics 1311. Fall.

4336. Labor Economics. Labor productivity, unemployment and wage determination. Role of organized labor. Problems of labor immobility and stratification of opportunity. Government labor policies. Prerequisite: Economics 3312.

4337. Managerial Finance. Short term and long term financial decision making at the level of the individual business firm. Liquidity management, cash budgeting, capital budgeting, risk analysis, capital structure, cost of capital, leveraging, dividend policy, current assets and liabilities management, hybrid and derivative securities, mergers and divestitures. Emphasis is placed on implications of globalization for financial decision making. An individual project provides hands-on experience in dealing with a hypothetical financial problem at the firm level. Prerequisite: Economics 3322. Spring.

4338. Public Finance. A factual and theoretical examination of government expenditures and revenues; with special attention paid to the long-term viability of social insurance programs such as Social Security, Medicare and Medicaid. A critical assessment of the U.S. tax system. The economic impact of public debt. Prerequisite: Economics 1311. Spring.

4339. Political Economy. The relationship between the economic and political spheres: monism v. pluralism. Market failure and public policy analysis: the economics of governmental policies and programs directed toward regulation and control of business. Introduction to public choice theory. Prerequisite: Economics 1311. Fall.

4340. Law and Economics. The impact of tort, contract, criminal and property law on incentives and economic behavior. Legal reasoning and its relationship to economic analysis. Economic factors in the evolution of common law precedents. Constitutional and legislative questions in the economic analysis of law. Prerequisite: Economics 1311.

4341. Economic Ethics. An examination of the relevance of economic insights to ethical reasoning. The limits of economics in the determination of correct public policy; the division of labor between economics and ethics in the area of public policy. Critical assessment of recent major works in social ethics. Prerequisite: Economics 1311. Fall.

4343. Western Economic History I. The causes, consequences and implications of the economic development of the North Atlantic community from the medieval period to the present. Prerequisite: Economics 1311. Juniors and Seniors only, or consent of instructor. Fall.

4356. Special Topics. Offered periodically in response to the interests of faculty and students.

4V61. Independent Research. An opportunity to conduct a special program of inquiry under the guidance of an individual faculty member. Credit varies from 1-3 hours. Approval of the department chair AND the individual faculty member who will be supervising the independent research project is required.

Education

FACULTY

Chair and Assistant Professor Boazman; Associate Professor Sarker; Assistant Professor Newstreet; Affiliate Instructor Khirallah

CERTIFICATION OFFICER

Haaser

As an independent liberal arts university, the University of Dallas has a unique contribution to make to the dialogue in teacher education. Teacher education at the university focuses not only on a sound academic preparation, but also on a strong professional preparation with specific emphasis given to moral and ethical issues embedded in what it means to teach. It is important to recognize that learning to teach is a collaborative process with undergraduate students, faculty, the Education Department and practitioners in the field.

The primary objective of the teacher education programs is to lead, encourage and allow prospective teachers to become responsible, articulate teachers with strong academic preparation; with professional attitudes that reflect knowledge of the learning process; and with a deeply felt sense of their role as models for their future students to emulate.

The program is planned within the mission of the university to meet standards for teacher education and certification as established by the Texas Education Agency. The curriculum incorporates a strong historical and philosophic approach. In addition, prospective teachers acquire knowledge and skills necessary to create enriching, rewarding classroom environments while differentiating instruction for their students living in a world of accelerating change.

I. DEGREE REQUIREMENTS FOR A B.A. IN INTERDISCIPLINARY STUDIES

Within the Interdisciplinary Studies major, seven areas of emphasis are offered. The areas correspond with certification frameworks in the State of Texas. Areas of emphasis include Early Childhood Generalist (EC-6) and middle school areas of English Language Arts and Reading 4-8, Social Studies 4-8, Mathematics 4-8, Science 4-8, English Language Arts and Reading/Social Studies 4-8 and Mathematics/Science 4-8. In some areas, Student Teaching is completed after graduation.

The Basic Requirements for All Areas (18 hours):
EDU 3322, 3323, 3102, 3305, 3327, 3147, 3148, 5351.

Additional Required Courses according to emphasis:

EC-6 (20 hours): 3325, 3101, 3326, 3103, 4343, 3330, plus one reading elective selected from either 3324 or 5354; and one education elective (3 hours) selected from 3324, 3329, 5352, 5354, 5355, or course approved by the Department Chair.

English Language Arts and Reading 4-8 (22 hours): one reading elective selected from 3324, 5323 or 5354, 3328, 4343 or 4346, 3111, 5352 and 9 hours upper division English selected and approved by advisor.

Social Studies 4-8 (22 hours): 3328, 3330, 4343 or 4346, 3111, 5352 and 9 hours upper division History/Politics/Economics selected and approved by advisor. HIS 3352 Texas History is a recommended History elective.

Mathematics 4-8 (29 hours): 3325, 3101, 3328, 3329, 4343 or 4346, 3111, 5352, 6 hour math elective beyond core, plus 9 hours upper division math selected and approved by advisor. A minimum of 18 hours Math required.

Science 4-8 (30 hours + lab hours): 3325, 3101, 3326, 3103, 3328, 4343 or 4346, 3111, 5352, 3 hours science elective beyond core plus 9 hours upper division science selected and approved by advisor. A minimum of 18-19 hours science required.

English Language Arts and Reading/Social Studies 4-8 (28 hours): one reading elective from 3324, 5323, or 5354; 3328, 3330, 4343 or 4346, 3111, 5352 and 6 hours upper division English and 6 hours upper division History/Politics/Economics selected and approved by advisor. HIS 3352 Texas History is a recommended History elective.

Mathematics/Science 4-8 (36 hours + lab hours): 3325, 3101, 3326, 3103, 3328, 3329, 4343 or 4346, 3111, 5352, at least 12 hours each in Math and Science (1 course Math beyond core plus 6 additional upper division hours in Math and 6 additional upper division hours in Science beyond core). Ecology is a recommended science course.

Suggested Sequence for Education Major

YEAR I

English 1301	3	English 1302	3
History 1311	3	History 1312	3
Philosophy 1301	3	Theology 1310	3
Foreign Language 1301	3	Foreign Language 1302	3
Math Core	3	Science Core	3
	15		15

YEAR II

English 2311-2312	6
History 2301-2302	6
Philosophy 2323	3
Politics 1311	3
Art 2311	3
Foreign Language 2311	3
Theology 2311	3
EDU 3305 Computer Prob. Solving	3
ECO 1311	3
	33

EC-6 GENERALIST

YEAR III

EDU 3322 Children's Lit.	3	EDU 3323 Developmental Reading	3
Foreign Language 2312	3	EDU 3102 Reading Practicum	1
EDU 3325 Elem. Math Concepts	3	EDU 4343 Principles	3
EDU 3101 Math Practicum	1	EDU 3148 Reflective Teaching	1
EDU 3327 Child Growth & Dev.	3	EDU 3326 Elem. Science	3
EDU Reading Elective	3	EDU 3103 Science Practicum	1
EDU 3147 Reflective Teaching	1	EDU 3330 Integrated Curriculum	3
	17		15

YEAR IV

EDU 4847 Student Teaching	8	EDU Elective	3
EDU 4147 Teaching Seminar	1	EDU 5351 Hist. of Am. Education	3
PHI/EDU 3335	3	Science Core w/Lab	4
	12	PHI 3311 Phil of Being	3
			13

ENGLISH LANGUAGE ARTS AND READING 4-8

YEAR III

EDU 3322 Children's Lit.	3	EDU 3323 Developmental Reading	3
EDU 3328 Psych of Adolescence	3	EDU 3102 Reading Practicum	1
EDU 3147 Reflective Teaching	1	EDU 3327 Child Growth & Dev.	3
EDU Reading Elective	3	EDU 4343 Principles, 3111	4
ENG Elect	3	EDU 3148 Reflective Teaching	1
Foreign Language 2312	3	ENG Elective	3
	16		16

YEAR IV

EDU 4847 Student Teaching	8	ENG Elective	3
EDU 4147 Teaching Seminar	1	EDU 5351 Hist. of Am. Education	3
PHI/EDU 3335	3	EDU 5352 Ed Eval/Assess.	3
	12	Science Core w/Lab	4
		PHI 3311 Phil of Being	3
			16

SOCIAL STUDIES 4-8

YEAR III

EDU 3322 Children's Lit.	3	EDU 3323 Developmental Reading	3
EDU 3328 Psych of Adolescence	3	EDU 3102 Reading Practicum	1
EDU 3147 Reflective Teaching	1	EDU 3327 Child Growth & Dev.	3
EDU 3330 Integrated Curriculum	3	EDU 4343 Principles, 3111	4
HIS /POL/ECO Elective	3	EDU 3148 Reflective Teaching	1
Foreign Language 2312	3	History/Pol/Eco Elective	3
	16		15

YEAR IV

EDU 4847 Student Teaching	8	His/Pol/Eco Elective	3
EDU 4147 Teaching Seminar	1	EDU 5351 Hist. of Am. Education	3
PHI/EDU 3335	3	EDU 5352 Ed Eval/Assess.	3
	12	Science Core w/Lab	4
		PHI 3311 Phil of Being	3
			16

MATHEMATICS 4-8

YEAR III

EDU 3322 Children's Lit.	3	EDU 3323 Developmental Reading	3
Mathematics Elective	3	EDU 3102 Reading Practicum	1
EDU 3325 Elem. Math Concepts	3	EDU 3329 Math Problem Solving	3
EDU 3101 Math Practicum	1	EDU 3148 Reflective Teaching	1
EDU 3327 Child Growth & Dev.	3	PHY 2302, 2102 B/I Astronomy	4
Foreign Language 2312	3	Math Elective	3
EDU 3147 Reflective Teaching	1		15
	17		

YEAR IV

Math upper division elective	3	PHI/EDU 3311 Phil of Being	3
EDU 5352 Education Eval.	3	Math upper division elective	3
Math upper division elective	3	EDU 4343/4346 Principles	3
PHI 3335 Phil. of Education	3	EDU 3111 Practicum	1
EDU 3328 Psych. of Adol.	3	EDU 5351 Hist. of Am. Education	3
	15		13

Post Baccalaureate EDU 4847, 4147 Directed Teaching and DT Seminar

SCIENCE 4-8**YEAR III**

EDU 3322 Children's Lit	3	EDU 3323 Developmental Reading	3
CHE 1303, 1103	4	EDU 3102 Reading Practicum	1
EDU 3325 Elem. Math Concepts	3	EDU 3326, 3103 Elem. Science	4
EDU 3101 Math Practicum	1	EDU 3148 Reflective Teaching	1
EDU 3327 Child Growth & Dev.	3	Science	3
Foreign Language 2312	3	Bio/Chem/Phy upper division	4
EDU 3147 Reflective Teaching	1		16
	18		

YEAR IV

Science Adv.	3	PHI 3311 Phil. of Being	3
EDU 5352 Education Eval.	3	Ecology Adv. Elective	3
EDU 5351 Hist. of Am. Education	3	EDU 4343/4346 Principles	3
EDU 3328 Psych. of Adol.	3	EDU 3111 Practicum	1
EDU 3335 Philosophy Education	3	PHY 2302, 2102 Intro. Astronomy	4
	15		14

Post Baccalaureate EDU 4847, 4147 Directed Teaching and DT Seminar

ENGLISH LANGUAGE ARTS/SOCIAL STUDIES 4-8**YEAR III**

English Adv. Elec.	3	EDU 3148 Reflective Teaching	1
EDU 3322 Children's Lit.	3	History / Pol. / Eco. Adv. Elec.	3
EDU 3327 Child Growth & Dev.	3	EDU 3323 Developmental Reading	3
Foreign Language 2312	3	EDU 3102 Reading Practicum	1
PHI 3311	3	EDU 3330 Integrated Curriculum	3
EDU 3147 Reflective Teaching	1	Elec.	3
	16		14

YEAR IV

English Advanced Elec.	3	History / Pol. / Eco. Adv. Elec.	3
EDU 5351 Hist. of Am. Education	3	Science Core w/ lab	4
EDU 3328 Psych of Adolescence	3	EDU Reading Elec.	3
EDU 5352 Educational Eval/Assess.	3	EDU 4343 or 4346 Principles	3
PHI 3335 Phil. of Education	3	EDU 3111 Practicum	1
	15		14

Post Baccalaureate EDU 4847, 4147 Directed Teaching and DT Seminar

MATHEMATICS/SCIENCE 4-8**YEAR III**

EDU 3322 Children's Lit.	3	EDU 3323 Developmental Reading	3
EDU 3327 Child Growth & Dev.	3	EDU 3102 Reading Practicum	1
EDU 3325 Elem. Math Concepts	3	EDU 3329 Math Problem Solving	3
EDU 3101 Math Practicum	1	Math upper division elective	3
Math	3	EDU 3148 Reflective Teaching	1
Foreign Language 2312	3	PHY 2302, 2102 B/I Astronomy	4
EDU 3147 Reflective Teaching	1	Math Elective	3
	17		18

YEAR IV

Math upper division elective	3	PHI/EDU 3335 Phil. of Education	3
EDU 5352 Education Eval.	3	Ecology Elective	3
EDU 5351 Hist. of Am. Education	3	EDU 4343/4346 Principles	3
EDU 3328 Psych. of Adol.	3	EDU 3111 Practicum	1
PHI 3311	3	EDU 3326 Elementary Science	3
Science upper division elective	3	EDU 3103 Science Practicum	1
	18	Math/Science Elective	3
			17

ENG 2312 and either HIS 1311 or 1312 are not required for core with this major.

Post Baccalaureate EDU 4847, 4147 Directed Teaching and DT Seminar

II. ADMISSION TO TEACHER CERTIFICATION

Formal admission to the Teacher Certification Program is required for all students seeking Texas Teacher Certification. Admission requirements include:

- An overall grade point average of 2.75 (on a 4.0 scale) and 2.75 in pedagogical and teaching field courses.
- Demonstrated proficiency in each of the basic skills of reading, writing, math, critical thinking and oral communication in English. A student can demonstrate proficiency of basic skills by submitting current (within the last five years) passing scores on approved standardized tests. Approved standardized tests and minimum passing scores are:
THEA (formerly TASP)—English 230, Math 230, Writing 220; SAT or GRE—1070 (combined verbal and math) with at least 500 in English and in math; ACT—Composite score of 23 with at least 19 in English and in math.
- Completion of required general education courses as follows:
6 hours in English; 3 hours in math, college algebra or above; 3-4 hours of laboratory science; 6 hours in American history (Secondary, 3 in American and 3 in other); 3 hours in American government. Students who have not completed all general education requirements may apply for conditional acceptance.
- A completed application form and essay.
- A certification plan developed by the Department Certification Officer.
- Recommendation by the Department of Education faculty.

III. CERTIFICATION PROGRAMS

A. Generalist EC-6 Certification

- 1) Bachelor's Degree with an overall grade point average of 2.75 (on a 4.0 scale) and a 2.75 in pedagogical courses.
- 2) General education courses—6 hours in English required—12 recommended; 3 hours in math, college algebra or above; 3-4 in laboratory science; 6 hours in history, 3 of which must be American; 3 hours in American Government.
- 3) Complete: EDU 3101, 3102, 3103, 3305, 3322, 3323, 3324 or 5354, 3325, 3326, 3327, 3330, 3335, at least one semester of Reflective Teaching (EDU 3147, 3148), 4343, 4847, 4147 and 5351.
- 4) Complete required Oral Presentation in Education.
- 5) Pass appropriate TExES (Texas Examination of Educator Standards) in content and pedagogy.
- 6) Complete placement file and teaching portfolio.

B. Middle School 4-8 Certification

Teaching Fields offered: English Language Arts and Reading, Social Studies, Mathematics, Science, Composite English Language Arts and Reading/Social Studies and Composite Mathematics/Science.

- 1) GPA 2.75.
- 2) General education courses—6 hours in English required—12 recommended; 3 hours in math, college algebra or above; 3-4 in laboratory science; 6 hours in history, 3 of which must be American; 3 hours in American Government.
- 3) Complete: EDU 3102, 3111, 3305, 3322, 3323, 3327, 3328, 3335, 4343, or 4346, 4847, 4147, 5351, 5352 and at least one semester of Reflective Teaching and electives from 3324, 3325 with 3101, 3326 with 3103, 3329, 3330, or 5354 depending on academic emphasis.
- 4) Eighteen hours in a teaching field, 9 of which must be upper division hours. (Composite teaching field certificates require additional hours.)
- 5) Complete required Oral Presentation in Education.
- 6) Pass appropriate TExES (Texas Examination of Educator Standards) in content and pedagogy.
- 7) Complete placement file and teaching portfolio.

C. Secondary Certification

Teaching Fields offered: **Grades 7-12:** Life Science (Biology), English Language Arts and Reading, History, Mathematics, Composite Social Studies (history, politics, economics and geography), Composite Physics/Mathematics and Composite Science (Biology, Chemistry, Geology and Physics). **Grades 6-12:** Physical Science (Physics and Chemistry)

- 1) Bachelor's Degree with an overall grade point average of 2.75 (on a 4.0 scale) and a 2.75 in pedagogical and teaching field courses.
- 2) General education courses—6 hours in English required—12 recommended; 3 hours in math, college algebra or above; 3-4 hours in laboratory science; 6 hours in history, 3 of which must be American; 3 hours in American Government

- 3) Complete: EDU 3111, 3112, 3305, 3328, 3335, 4346, 4848, 4148, 5323, 5351, 5352 and at least one semester of Reflective Teaching (EDU 3147 or 4150). Composite teaching field certificates require additional hours.
- 4) Twenty-four hours in a teaching field, 18 are upper division hours.
- 5) Complete required Oral Presentation in Education.
- 6) Pass appropriate TExES (Texas Examination of Educator Standards) in content and pedagogy.
- 7) Complete placement file and teaching portfolio.

D. All-Level Certification (Grades EC-12)

The University of Dallas has approved programs with EC-12 certification in Art, Theatre Arts (Drama) and Languages Other than English (LOTE) in French, German, Latin and Spanish.

- 1) Bachelor's Degree with at least 24 hours in the teaching field, 18 upper division, with an overall grade point average of 2.75 (on a 4.0 scale) and a 2.75 in pedagogical and teaching field courses.
- 2) General education courses - 6 hours in English required - 12 recommended; 3 hours in math, college algebra or above; 3-4 in laboratory science; 6 hours in history, 3 of which must be American; 3 hours in American Government.
- 3) Complete: EDU 3102, 3111, 3305, 3322, 3327, 3328, 3335, 4149, 4949, 5351, 5352 and at least one semester of Reflective Teaching (EDU 3147 or 3148), plus EDU 4343 or EDU 4346.
- 4) Complete required Oral Presentation in Education.
- 5) Pass appropriate TExES (Texas Examination of Educator Standards) in content and pedagogy.
- 6) Complete placement file and teaching portfolio.

IV. COMPLETION OF CERTIFICATION AND RECOMMENDATION

To be recommended to the Texas State Board for Educator Certification, a student must:

- 1) Complete the baccalaureate degree and meet Grade Point Average requirements (2.75) for the University of Dallas Teacher Education Program.
- 2) Pass University of Dallas Department of Education Oral Examinations.
- 3) Pass appropriate content and pedagogy Texas Examinations of Educator Standards (TExES) examinations.
- 4) Earn favorable review by the Department of Education Teacher Education Review Committee.
- 5) The State of Texas requires completion of fingerprinting and background check, along with payment of all state fees, prior to issuing the teaching certificate.

V. OTHER INFORMATION REGARDING CERTIFICATION

The Department of Education complies with the certification requirements as set by the Texas Education Agency (TEA). At the time of this publication, the requirements are accurate; however, they may change to reflect new state regulations.

Transfer Students/Transfer of Courses

Students transferring from other accredited institutions must submit transcripts and other documentation to an academic dean for evaluation before completing departmental admission requirements. Decisions regarding Education courses taken at other universities are made by the Department Chair.

Retention

The academic progress of each student admitted to the teacher certification program is reviewed each semester. Students who fail to do satisfactory work are placed on departmental probation. Continued unsatisfactory work results in dismissal from the program. Grades below C- in upper division (numbered 3000 or higher) Education and teaching field courses may not be used.

Pre-Teaching Experience

The preservice teacher has the opportunity to observe and aid students in the learning process through: Education 3101, 3102, 3103 elementary; Education 3111, 3112, secondary. Under the guidance of university faculty, the preservice teacher observes and aids the classroom teacher who functions as stimulator, diagnostician, prescriber and model. Courses related directly to principles and approaches are designed to balance theory and application. The practicum experience is conducted off campus in a local school district. Students must provide their own transportation to the practicum experience as well as for Directed (Student) Teaching.

Directed (Student) Teaching Requirements

Successful completion of Directed Teaching is required of students who seek certification. It is taken in the final year. Students who have received a "D" or "F" in required Education or academic emphasis (teaching field) courses may not take Directed Teaching until the course has been repeated and a grade of "C" or higher obtained. Applications and supporting documents for Directed Teaching must be filed with the Coordinator of Directed Teaching no later than the middle of the semester immediately prior to the desired assignment. Before a Directed Teaching assignment will be made, a student must meet the following requirements:

- 1) Submit a Directed Teaching Application.
- 2) Submit transcripts from all colleges and universities attended.
- 3) Achieve an overall grade point average of 2.75 (on a 4.0 scale) and a 2.75 in teaching field and pedagogical courses; no incompletes allowed.
- 4) Complete three-fourths of the courses in the academic emphasis or teaching field(s) and 12 credits in Education for secondary teachers and 27 credits in Education for elementary and middle school teachers.
- 5) Pass the appropriate TExES content test for the certification area sought prior to the start of Directed Teaching.
- 6) Submit two academic recommendations.
- 7) Demonstrate professional conduct consistent with the Texas Educators' Code of Ethics.
- 8) Receive favorable recommendations from all members of the teacher Education faculty.*

*If any faculty member judges a student to exhibit behavioral characteristics or communication skills that indicate potential problems in school settings, he may refer the student to the Teacher Education Review Committee (TERC) for review and evaluation. The TERC may recommend specific courses of action to the student and/or the faculty member.

In order to accommodate the time required to effectively complete directed teaching, the student must plan ahead in consultation with the Certification Officer. No more than 15 credits, including Directed Teaching, may be taken.

Comprehensive Examination

All Interdisciplinary Studies majors must pass a written comprehensive examination. Students who are seeking Texas teacher certification may satisfy the requirement by passing both the content and pedagogy Texas Examination of Educator Standards (TExES). Students who are not seeking certification or who are not yet eligible to take both TExES must pass a written examination developed by the Department of Education. The department examination comprehensive and consists of questions in the history and philosophy of education and in principles and approaches of education. It is administered during the student's final semester at the university. The Department of Education Certification Officer distributes preparation materials for the examination and notifies individual students of the examination date, time and place.

State Certification Examination

Texas Senate Bill 50 requires that persons seeking certification in Texas perform satisfactorily on criterion-referenced examinations administered by the State. The purpose of these examinations is to ensure that each educator has the necessary content and professional knowledge required to teach. The content TExES (Texas Examination of Educator Standards) must be passed prior to Directed (Student) Teaching. The pedagogy TExES is taken during the Directed Teaching semester. Registration and study guides for the TExES are available from the Department. Several states require additional tests for certification. Details about these tests may be obtained from the Certification Officer.

Residency Requirements

Candidates for certification must complete the equivalent of one semester's work (12 credits minimum) before the Department considers their recommendation for certification. Residency begins after formal acceptance to the Teacher Certification Program. The courses required are decided by the Department upon recommendation of the certification officer.

Credentials and Placement

Each candidate must complete certification forms and a placement file with the Department Certification Officer. The officer represents the Department in recommending candidates to the State Board.

VI. TEACHING THEOLOGY

There is no state certification in the area of Theology. However, the Department of Education works with theology majors to prepare them for teaching positions in Catholic schools. Each diocese/school determines the qualifications required to teach theology. Students must check specific diocesan requirements to insure compliance.

The Diocese of Dallas is part of the Texas Catholic Conference, which requires that all teachers in a Catholic School be degreed in the area they are assigned to teach and have 12 credits of Education. Courses should include Developmental Psychology (EDU 3327 or 3328); Educational Evaluation (EDU 5352); Instructional Strategies for Elementary or Secondary Education (EDU 4343 or 4346); Classroom Management and Teaching Methods (EDU 5V50 or EDU 5323) and Educational Technology (EDU 3305). The Diocese of Dallas requires that a Deficiency Removal Plan be on file.

The Department develops and maintains a placement portfolio for students who successfully complete a minimum of 18 hours in Education which include the courses asterisked.

Recommended courses for those who wish to teach Theology:

EDU 3305. Computer Problem Solving. Required.

EDU/PSY 3328. Psychology of Adolescence.

EDU/PSY 3327. Child Growth and Development.

EDU 4346. Principles of Secondary Education. or

EDU 4343. Principles of Elementary Education.

EDU 3111. Practicum. Pre-Student Teaching Middle School Field Experience.

EDU 3112. Practicum. Pre-Student Teaching High School Field Experience.

EDU 5352. Educational Evaluation.

EDU 5323. Reading in the Secondary Schools. or

EDU 5357. Instructional Strategies. Summer only.

EDU 4350*. Directed Teaching in Religion and Theology. or

EDU 4850*.

EDU 4148*. Directed Teaching Seminar.

VII. ASSOCIATIONS, SCHOLARSHIPS, AWARDS

Kappa Delta Pi

The Nu Kappa Chapter of Kappa Delta Pi, an honor society in Education, was established at the university in 1975. Membership is approved by the officers of the chapter. Qualifications include high academic standing (at least 3.0 GPA), professional attitude that would enable one to grow in the field of Education and the moral character and integrity to serve as models to emulate.

Education Club

The purpose of the Education Club is to promote and explore teaching as a profession, to promote outreach to the community relevant to education and to build a community for students who have common vocational interests. Because prospective teachers generally do not take Education classes until junior year, the Education Club serves to introduce freshman, sophomores and upperclassmen of all majors to the Department of Education community.

The Clodecott Award

An engraved medallion is presented each year to the author/illustrator of the best children's book written in that child and young adult literature course. The name of the award is a parody on the Caldecott Award given by the American Library Association to the best picture book of the year for children. The Clodecott Award is named for Dr. Cherie Clodfelter, longtime chair of the Department.

The Teller Award

Established by the alumni and faculty of the Department, this award is named for Professor Emeritus James D. Teller and is awarded to the outstanding student based upon scholastic achievement, leadership ability and potential as a teacher.

The Hazel McDermott Outstanding Student Teacher Award

Established in 1992, this award is reserved for an outstanding student teacher. Not presented regularly, the Hazel McDermott Award honors the student whose experience in the classroom has reflected the highest ideals in teaching. Named in honor of Dr. Hazel McDermott, professor and certification officer from 1975-1992, the award is given only when there is a student teacher of rare caliber.

The Cherie A. Clodfelter Endowed Scholarship

The Cherie A. Clodfelter Endowed Scholarship Award was established in May 2007 upon the retirement of Dr. Clodfelter, who taught from 1970-2007, in the Department of Education. The scholarship was funded by a generous contribution from Dr. Clodfelter, as well as gifts from others, who wished to honor her contribution to the university and to teacher education.

The scholarship is awarded to a student at the university who has been admitted to the Teacher Education Program and who aspires to teach at the primary level. It comes in the form of a tuition stipend to support the student teaching semester.

The Teller Endowed Scholarship

The Teller Endowed Scholarship is named for the late Professor Emeritus James D. Teller and was established by the Teller family. The endowment provides for a scholarship to be awarded to a university student who plans to teach above the EC-6 level. The student must be admitted to the Teacher Education Program and submit an application for review by the Education Department. The stipend applies to tuition costs during student teaching at either the middle or high school levels.

VIII. RESOURCES

A.I.R. Program

The A.I.R. Program (authors/illustrators/readers) was established in 1975. It brings noted authors and/or illustrators of child and young adult books to the university campus to speak and work with university students preparing to teach.

Education Media Center

Use of the Media Center is essential for Directed (Student) Teaching. Space is available for the preparation of lesson plans and supplemental materials. Teaching aids include the Smart Board, computers, audio-visual equipment and various kinds of hardware and software for teaching in the appropriate disciplines. Video equipment may be reserved by students.

The Cherie A. Clodfelter Children's Literature Library

Named for the distinguished Chairman of the Department of Education, the 15,000 volume Clodfelter Children's Library houses books for children and young adults. Among these are approximately 600 volumes authored by university students. The Department also maintains a Curriculum Library that supplements the volumes in the Blakley Library. The collection includes state adopted textbooks and professional volumes in elementary and secondary school curricula.

The Chris Slavik Collection

Books given to the Children's Library in memory of Christine Slavik from an eclectic collection numbering about 150 volumes.

The Melvin and Frances Frnka Campbell Collection

Classics of child and young adult literature established by the Clowe family of Dallas. The collection includes books originally written in a language other than English. The internationally recognized volumes are translated into English in a manner which preserves the essence of the culture in which it was first written.

COURSES IN EDUCATION

3101. Education Practicum (Elementary Math). Concurrent enrollment with Education 3325 Mathematics in the Elementary School required. Beginning students in teacher education assist practitioners in a school setting approximately four and a half hours per week for about four weeks. During classroom observations, practicum students acquire enhanced knowledge of pedagogical strategies, instructional resources and technology, classroom management, child development, differentiating instruction, special populations and assessment. Practicum students also assist students, take field notes and write reflections. Orientation precedes the field experience. Fall.

3102. Education Practicum (Elementary Reading). Concurrent enrollment with Education 3323 Developmental Reading required. Students assigned to language arts teachers observe and work with practitioners in a school setting. Teaching will focus on the basic components of good reading instruction: phonemic awareness, phonics, fluency, vocabulary and reading comprehension. Orientation precedes assignment. Spring.

3103. Education Practicum (Elementary Science). Concurrent enrollment with Education 3326 Science in the Elementary School required. Beginning students in teacher education assist practitioners in a school setting approximately four and a half hours per week for about four weeks. During classroom observations, practicum students acquire enhanced knowledge of pedagogical strategies, instructional resources and technology, classroom management, child development, differentiating instruction, special populations and assessment. Practicum students also assist students, take field notes and write reflections. Orientation precedes the field experience. Spring.

3111. Education Practicum (Middle School). Concurrent enrollment with Education 4346 recommended. Students are assigned to certified/qualified middle school teachers in the students' respective teaching fields six hours a week for approximately five weeks. During classroom observations, practicum students acquire enhanced knowledge of pedagogical strategies, instructional resources and technology, classroom management, adolescent development, differentiating instruction, special populations and assessment. Practicum students also engage in dialogue with mentor teachers regarding professional issues, assist students when appropriate, take field notes and write reflections. Orientation precedes the observation assignments. Fall and Spring.

3112. Education Practicum (High School). Concurrent enrollment with Education 4346 recommended. Students are assigned to certified/qualified high school teachers in the students' respective teaching fields six hours a week for approximately five weeks. During classroom observations, practicum students acquire enhanced knowledge of pedagogical strategies, instructional resources and technology, classroom management, adolescent development, differentiating instruction, special populations and assessment. Practicum students also engage in dialogue with mentor teachers regarding professional issues, assist students when appropriate, take field notes and write reflections. Orientation precedes the observation assignments. Fall and Spring.

3113. Storytelling. Designed especially for students enrolled in or who have taken Education 3322. Students spend two hours a week at one of the Irving elementary school libraries learning and participating in storytelling for children. May be taken twice for credit. Fall and Spring.

3147, 3148. Reflective Teaching. Reflective teachers think critically about pedagogy, subject matter and the needs and backgrounds of all students. These seminars guide the student in a critical examination of what it means to teach and in the construction of a teaching portfolio. Fall and Spring

3305. Computer Problem-Solving. Explores the use of the computer as a tool for learning, as a guide to communication and research, an organizer in the presentation of knowledge and as a mediator in the construction of knowledge. Students explore the internet, evaluate web sites, create PowerPoint presentations, construct web pages and author interactive programs/lessons. This course meets the Educational technology foundations for teachers as defined by NCATE and ISTE. Fall and Spring. (Does not satisfy university Math requirement.)

3322. Child and Young Adult Literature. Examines the scope of literature for children and young adults and the principles necessary for a successful and fruitful literature program. The course intends to create a love for fine writing and a sensitivity to and appreciation for the relationships among art, music, drama and literature in a multicultural setting. Emphasis is given to personal authorship as a means of expression. Fall and Spring.

3323. Developmental Reading. Examines the process of reading through skill development and mastery of content. Areas of study include the five pillars of reading instruction: phonemic and phonological awareness, phonics, fluency, vocabulary and reading comprehension. Phonic analysis, structural analysis and other decoding skills are integral facets of teaching listening, written composition, spelling and handwriting to support literacy acquisition. Concurrent enrollment in EDU 3102 is required. Spring.

3324. Diagnostic and Corrective Reading. Basic principles of reading assessment and instruction. Topics include the diagnosis of reading problems (language problems) and the correction of such problems through formative and summative assessment procedures. Students will learn to assess children's progress in phonemic and phonological awareness, phonics, fluency, vocabulary and reading comprehension using research-based assessments such as the Texas Primary Reading Inventory, the Qualitative Reading Inventory (QRI-5) and progress monitoring of oral reading fluency. Students will learn to select corrective strategies and generate opportunities in these areas based upon assessment results.

3325. Mathematic Concepts for Elementary Teachers. Several questions provide the focus for this course: What is mathematics? What mathematics is taught? How do children best learn mathematics? How does one plan and evaluate mathematics instruction? Content addressed includes problem solving; numeration; concepts and operations on whole numbers, rational numbers (fractions and decimals); algebraic reasoning; number theory; data analysis; measurement (English and metric); and geometric concepts. Concurrent enrollment in EDU 3101 is required.

3326. Science in the Elementary School. Develops concepts that are appropriate for elementary school science. A laboratory approach is used. Attention is directed to those aspects of the growth and development of children that particularly invite the teaching of science. Concurrent enrollment in EDU 3103 is required. Prerequisite: Six credits of laboratory science. Spring.

3327. Child Growth and Development (Psychology 3327). Exploration of the physical, mental, social and moral growth of children from infancy through early adolescence. Students examine significant theories of development with emphasis

on the work of Piaget, Erikson, Kohlberg and Vygotsky. Children are the primary texts and interacting with them is an essential component of the course. A research project requires students to examine the activity of children in light of developmental theories. Fall and Spring.

3328. Psychology of Adolescence (Psychology 3328). Consideration of selected themes as they relate to the adolescent experience, including rebellion, caring, infatuation, peer group, rejection, loneliness and sexuality. Emphasis on the methodology of understanding these phenomena on their own terms and psychological reflections which deepen their significance in relation to questions of culture. Significant theories of adolescence such as those offered by Carol Gilligan, Harry Stack Sullivan and Erickson. Fall and Spring.

3329. Mathematics Problem Solving. Extension of concepts studied in EDU 3325. Emphasis on problem solving and critical thinking skills applied to a broad range of elementary mathematics topics. Offered as needed.

3330. Integrated Curriculum. The study of selected topics in history, geography, Economics and politics. Examination of content, methods and materials appropriate for grade school children. Spring.

3335. Philosophy of Education (Philosophy 3335). Consideration of themes such as the nature of the student and of the teacher, goals of Education, curriculum and methodology, the nature and division of knowledge, Education and the common good. Inquiry is cast in the light of fundamental considerations of the nature of the human person, of mind, of being and of the good chiefly through study of classic texts of the Western philosophical tradition (e.g., Plato's *Republic* and Rousseau's *Emile*). Attention given to contemporary issues in Education. Fall and Spring.

4150. Reflective Teaching. Reflective teachers think critically about pedagogy, subject matter and the needs and backgrounds of all students. These seminars guide the student in a critical examination of what it means to teach and in the construction of a teaching portfolio. Fall and Spring.

3V57. Field Experience. Practical experience in a teaching-related assignment. Approval of chairman required.

4147. Seminar in Elementary School Directed (Student) Teaching. Weekly one-hour seminars concurrent with directed (student) teaching offer in-depth discussion and reflection on the experience of teaching and topics that include, but are not limited to, the TExES, Code of Ethics, legal issues, personnel hiring practices, administrator expectations, special education and bilingual and ESL programs. Students receive instruction/guidance from departmental faculty/staff and educators from area school districts and complete a Teacher Placement File and a Interview Portfolio. Fall and Spring.

4148. Seminar in Secondary School Directed (Student) Teaching. Weekly one-hour seminars concurrent with directed (student) teaching offer in-depth discussion and reflection on the experience of teaching and topics that include, but are not limited to, the TExES, Code of Ethics, legal issues, personnel hiring practices, administrator expectations, special education and bilingual and ESL programs. Students receive instruction/guidance from departmental faculty/staff and educators from area school districts and complete a Teacher Placement File and a Interview Portfolio. Fall and Spring.

4149. Seminar in All Grades Directed (Student) Teaching. Weekly one-hour seminars concurrent with directed (student) teaching offer in-depth discussion and reflection on the experience of teaching and topics that include, but are not limited to, the TExES, Code of Ethics, legal issues, personnel hiring practices, administrator expectations, special education and bilingual and ESL programs. Students receive instruction/guidance from departmental faculty/staff and educators from area school districts and complete a Teacher Placement File and a Interview Portfolio. Fall and Spring.

4343. Principles of Elementary Education. Students are engaged in active class participation, readings and presentations about pedagogical theory, research and best practice. Topics that include, but are not limited to, qualities of effective teachers; the TExES; TEKS, ELPs and lesson planning; classroom management; differentiated instruction; special populations; state and classroom assessments; professional communication; and instructional strategies, activities, resources and technology. Fall and Spring.

4346. Principles of Secondary Education. Concurrent enrollment in Education 3111 and/or 3112 required. Students connect learning from their practical observations in secondary school classrooms with classroom instruction that involves active class participation, readings and presentations about pedagogical theory, research and best practice. Topics that include, but are not limited to, qualities of effective teachers; the TExES; TEKS, ELPs and lesson planning; classroom management; differentiated instruction; special populations; state and classroom assessments; professional communication; and instructional strategies, activities, resources and technology. Fall and Spring.

4847. Elementary/Middle School Directed (Student) Teaching. The capstone course in teacher education (grades EC-6 or 4-8). Students actively participate in the complex, multifaceted world of teaching and learning while student teaching all day for 12 weeks in an accredited elementary or middle school. The directed (student) teacher is supervised by a certified/qualified cooperating classroom teacher and a university supervisor. Fall and Spring.

4848. Secondary School Directed (Student) Teaching. The capstone course in teacher education (grades 8-12). Students actively participate in the complex, multifaceted world of teaching and learning while student teaching all day for 12 weeks in an accredited middle or high school. The directed (student) teacher is supervised by a certified/qualified cooperating classroom teacher and a university supervisor. Fall and Spring.

4849. All Grades Directed (Student) Teaching. The capstone course in teacher education (grades EC-12). Students actively participate in the complex, multifaceted world of teaching and learning while student teaching all day for 12 weeks in an accredited elementary or secondary schools. The directed (student) teacher is supervised by a certified/qualified cooperating classroom teacher and a university supervisor. Fall and Spring.

4350,4850. Directed Teaching in Religion and Theology. The capstone course in teaching Religion or Theology (grades 1-12). Application and participation in an approved, accredited Parochial School. The directed teacher is supervised by a cooperating classroom teacher and a university supervisor. Directed teaching can be half day (4350) or full day (4850). Fall and Spring.

4V61. Directed Readings. An opportunity for advanced students to conduct a special program of inquiry under the guidance of a faculty member. Credit varies from 1-3 hours. Approval of the department chair and the supervising professor is required.

5323. Reading in the Secondary Schools. This course extends the students' knowledge and skill in order to provide literacy instruction that improves learning in secondary school content areas. Within a collaborative environment, students explore relevant research and theory and engage in teaching and applying proven principles and strategies related to literacy instruction. Topics include, but are not limited to, TEKS, ELPs, reading and writing as processes, linguistics, text structure, fluency, comprehension, vocabulary development and assessments. Spring.

5324. Writing Children's Books. The course delineates why children's books must and do exist, to what standards their readers are entitled and how and by whom good children's books are written, including an overview of the history of writing for children. Prerequisite: Education 3322 or equivalent. Fall and Spring.

5325. Issues in the Teaching of Science: Elementary. Identification and selection of problems in earth sciences, physical and/or biological sciences; research studies and innovations in teaching; review of current literature; guided independent work in problems of teaching science. Prerequisite: Elementary teaching experience. Offered as needed.

5332. Improvisation for Teachers. Development of the imaginative techniques of creative dramatics, theater games, creative experience for groups and improvisational learning. Offered as needed.

5342. Foundations of Catholic Education. The purpose of this course is to increase the student's awareness, knowledge, and understanding of the many complex factors that shape education in Catholic schools. While reading and reflecting upon relevant primary and secondary sources and engaging in thoughtful, collegial discussion, the student will explore the history, mission, identity, and value of Catholic schools. Students will review relevant Church documents, scholarly texts, and research to evaluate the health of Catholic schools, the effects of Catholic education, and the values (both promises and perils) of Catholic education in 21st century America. Special attention will be given to examining trends related to teaching and learning in Catholic environments, infusing Catholic identity into educational practice, and constructing a thoughtful, personal philosophy of education. At the end of the course, students will be expected to submit a Catholic Education Portfolio.

5351. History of American Education (History 3360). Students acquire knowledge and keener insight into the present and future promises and perils of America's schools while exploring the historical events and the multifarious factors that have shaped this quintessential, evolving American enterprise from the 18th to the 21st centuries. While reading primary and secondary sources, engaging in classroom discussion, viewing videos and making presentations, students learn the historical, philosophical, social, political and economic forces that have influenced education in America. Fall and Spring.

5352. Educational Evaluation. An examination of assessment through reflective practice offers insight into the selection, construction and implementation of assessments. Offers preservice and in-service teachers a responsive/interactive environment in which to explore what it means to assess in the context of teaching. Fall and Spring.

5354. Language Acquisition/Linguistics. Language is central to everything and it, more than any other characteristic, distinguishes mankind from other living creatures. The nature of language, phonology, morphology and syntax, structural and transformational grammar, social variations and dialects of English and kinesics and proxemics are topics studied. Fall and Spring.

5355. Foundations of ESL Instruction. Designed for students pursuing teacher certification with an emphasis on supporting English language learners (ELLs) from early childhood through grade six, this capstone class offers a more in-depth examination of topics introduced in EDU 3322, 3323, 3102 and the required reading elective. Students develop deeper, more critical insight into the seven areas of effective ESL instruction and transform that insight into effective, research-based units of instruction.

5356. Educational Research Design. Study of research methods, including historical, descriptive and experiment types, emphasizing research proposal and report writing. Major topics in statistics, hypothesis-testing, statistical inference, correlation, analysis and validity. Types of designs studied are CRD, factorial, nested, repeated measures, Latin square and incomplete block. Offered as needed.

5357. Special Topic. Course not listed but offered as a regular course according to student interest and faculty availability.

5V50. Research in Elementary or Secondary Education. Advanced treatment of selected topics through *individual* research. Approval of chairman required. Credits vary 1-6. May be repeated. Fall, Spring and Summer.

5378, 5379. Internship in Education. A full-time teaching experience in an area elementary, middle, or high school under the supervision of a university Professor from the Department of Education. The Internship in Education is accomplished as a Post Baccalaureate in the Braniff Graduate School Teacher Certification Program. Two semesters are required. Graded course. Fall and Spring.

Education Concentration

ADVISOR

K. Haaser

The Education Concentration is designed to offer students, who are interested in teaching, opportunities to gain foundational knowledge, methodology, and practical experience in the field of education. Students engaged in the Education Concentration can expect to gain (1) a broad understanding of the K-12 student, (2) an introduction to research-based strategies for teaching critical content areas, (3) proficiency in planning effective instruction and competently assessing student performance, and (4) opportunities to transform theory into practice with teaching experiences in actual classrooms under the supervision of university faculty and accomplished classroom teachers.

CONCENTRATION REQUIREMENTS

All students seeking the Education Concentration are required to take the following 6 credit hours:

EDU 5352. Educational Evaluation/ Assessment.

EDU/PSY 3327. Child Growth and Development.

Education Concentration with an Elementary Emphasis [17 total credit hours required]: Students seeking the Education Concentration with an interest in teaching at the elementary level (grades K-6) will be required to complete the following additional courses:

EDU 4343. Principles of Elementary Education.

EDU 3323. Developmental Reading.

AND **EDU 3102. Reading Practicum.** (Concurrent enrollment required)

Plus one of the following sets of courses:

EDU 3325. Elementary Math.

AND **EDU 3101. Math Practicum.** (Concurrent enrollment required)

OR **EDU 3326. Elementary Science.**

AND **EDU 3103. Science Practicum.** (Concurrent enrollment required)

Education Concentration with a Secondary Emphasis [15-18 total credit hours required]: Students seeking the Education Concentration with an interest in teaching at the secondary level (grades 6-12) will be required to complete the following courses in addition to the 6 hours required by all:

EDU 4346. Principles of Secondary Education.

AND **EDU 3111. Education Practicum (Middle School)**

AND **EDU 3112. Education Practicum (High School)** (Concurrent enrollment required)

EDU 5323. Reading in the Secondary Schools.

EDU 3V57.* (1-3 credit hours) **Field Experience.** (classroom teaching experience)

*Students who commit to 8-10 weeks of classroom teaching experience during which they are present consistently during one regular classroom instructional period will earn 1 credit hour.

*Students who commit to 8-10 weeks of classroom teaching experience during which they are present consistently during two regular classroom instructional periods will earn 2 credit hours.

*Students who commit to 8-10 weeks of classroom teaching experience during which they are present consistently during three regular classroom instructional periods will earn 3 credit hours.

English Language and Literature

FACULTY

Chair and Associate Professor Roper; Professors Alvis, Crider, Dupree, Gregory and Wegemer; Associate Professors Bourbon, Kenney, Moran, Osborn, Romanick Baldwin, Stryer and Waterman Ward; Assistant Professors Davies and Davis; Affiliate Assistant Professors Maguire, Saylor and Spring.

A tradition of thought extending back to Milton, Sidney and Aristotle holds that literature imparts wisdom. With respect to the kind of wisdom that governs human conduct, poetry promotes a grasp of reality superior to other ways of knowing in its combination of immediacy, lucidity, practicality, sensitivity to refinements, capacity to shape the affections and adequacy to the whole. This conviction guides literary study at every level of the curriculum pursued at the university. The program in literature provides a course of study in those authors who best exemplify the capacity of imagination to grasp truth. Teachers and students seek to learn what the best of the poets understand of nature and human experience. In this mutual learning enterprise, students and teachers are related as beginning and advanced students of their common masters, the major imaginative writers.

Undergraduate courses in literature answer to two guiding principles: first, continuous study of the classic works of the literature of the West in the effort to appropriate a tradition that ought to be possessed by every educated person; second, intensive study of the literature of England and America for the sake of acquiring the heritage proper to the English-speaking peoples and as the means to complete mastery of a language. The two principles are interdependent: one best learns English by knowing its best literature and one best knows the English poets when one can measure them against those masters and rivals in European literature whom they themselves acknowledge.

THE LITERARY TRADITION

The Literary Tradition sequence introduces students to the classics of the West and, thus, to major models and themes of human action, experience and understanding. They further self-knowledge by encouraging students to know themselves in the light of what the best minds have thought human beings are and ought to be. In the first two years of the students' college career, the Literary Tradition core provides a moral focus for discovering the terms upon which one may assume responsibilities within a community. A large part of the subject of many literary works is portrayal of communities living out the convictions shared by their members and the heart of heroic poetry is the depiction of the efforts of extraordinary characters to exercise their virtue in a way that benefits their city while fulfilling themselves.

Beginning students may learn that seeking truth is analogous to the heroic enterprises of Achilles, Hector, Odysseus, Aeneas, Beowulf and Sir Gawain. From the heroic models students come to address the challenges presently encountered with something of that combination of boldness and modesty displayed by the traditional heroes. In the second semester (Literary Tradition II) students are prepared to reflect upon those differences in the conception of human excellence and world order that come to view once the Christian epic poet envisions divine grace perfecting nature. *The second year* introduces tragedy and comedy (Literary Tradition III) and the novel (Literary Tradition IV), the one literary form distinctive to the modern era. From a study of tragedians of Greece, Shakespeare and modern playwrights, students can grasp

how tragic dramatists have depicted human nature in the light of its limits. In the comic writers of Greece, medieval Christendom and Elizabethan England, one may see that tragic emphasis upon individual virtue under the pressure of painful limits finds an answer in certain comic writers who celebrate powers human and sometimes divine, that heal broken communities and restore characters to their proper integrity. In the most accomplished novelists of the nineteenth and twentieth centuries, students will see in the novels portrayals of societies negotiating the changes effected by modern economics, technology, education and politics—a world quite close to our own in local detail as well as in its governing moral intellectual tendency.

The courses that make up the Literary Tradition core depend upon rigorous practice in composition. The writing assignments are exclusively interpretive, requiring careful documentation from the works students read; they are judged by their success in elucidating and critically addressing the works under consideration. Essays are expected to show sophistication in style and argument and students are requested to resubmit corrected essays that answer to exacting criticism.

THE MAJOR PROGRAM

Advanced courses for English majors aim at deepening the understanding of literature as a mode of knowing. The same principles of attentive care in reading and critical interpretation in writing that guide study in the core also animate the program for majors. The theme implicit in the Literary Tradition sequence also carries over to the advanced courses: students learn to confront the alternative understandings of human beings, society, nature and the divine offered by the major poets. Now, however, the subject of inquiry is primarily the tradition of English and American writers. By studying the literature of the English language, majors learn their most immediate heritage. The seven required advanced courses have four primary aims: to give students specific training in the reading and interpretation of literary texts; to continue the students' engagement in the discipline of writing, addressing continually the intricacies of an immediate engagement with language; to acquaint them with major writers within English and American literature; and to establish a general sense of literary history, within which one may understand the interpretative nature of imaginative writing, seen within specific cultural, historical contexts.

Courses in English and American literature are arranged in a roughly chronological sequence, beginning with Anglo-Saxon and medieval poetry, drama and narrative and concluding with intensive study of nineteenth- and twentieth-century writing. This sequence of courses is framed by two others (Literary Study I and II) that address specifically the discipline of reading and interpretation of literature. Each of these courses concludes in a major project, based on independent study of particular authors. In the junior year students pursue research in the complete canon of a single lyric poet. The project culminates in an oral examination before the faculty, in which students demonstrate mastery of the poems and of the criticism devoted to the poet. In the senior year English majors conclude a course in interpretation of prose narrative with a written essay and a public lecture on a major novel.

All majors must pass a comprehensive examination which assumes familiarity with the works encountered both in the core and major sequence and the Senior Comprehensive Reading List. This examination is offered once a year at the beginning of the Spring semester. Students who anticipate graduation in December or August rather than at the formal ceremonies in May must meet with the Department Chairman to schedule when in their final semesters of course work they will schedule this Spring examination.

BASIC REQUIREMENTS

Literary Tradition, I, II, III, IV; English 3323 (Medieval Literature); 3324 (Literary Study I: Lyric); 3326 (Early Modern Literature); 3327 (Romantic and Victorian Literature); 4360 (American Literature); 4362 (Twentieth-Century Literature); 4363 (Literary Study II: Prose Fiction); and one upper-level English elective. Students may substitute for 4362 some other course in twentieth-century literature, provided it covers a range of major writers in the first half of the twentieth century.

Suggested Sequence for English Language and Literature Major

YEAR I

English 1301	3	English 1302	3
History 1311	3	History 1312	3
Art, Drama, Music, or Math	3	Art, Drama, Music, or Math	3
Language 1301 (or 2311)	3	Language 1302 (or 2312)	3
Philosophy 1301	3	Theology 1310	3
	15		15

YEAR II (during Sophomore Year)

English 2311–2312	6
History 2301–2302	6
Philosophy 2323	3
Theology 2311	3
Economics 1311	3
Language (or Science)	6
Politics 1311	3
	30

YEAR III

English 3323	3	English 3326	3
English 3324	3	English 3327	3
Arts or Math	3	Philosophy 3311	3
Science or Elective	3	Science or Elective	4
Elective	3	Elective	3
	15		16

YEAR IV

English 4360	3	English 4363	3
English 4362	3	Required English Elective	3
Philosophy Elective	3	Electives	9
Electives	6		15
	15		

Suggested Electives

Language: Greek, Latin, French, or German

Philosophy: Epistemology, Aesthetics, Philosophy of Language, Ethics

History: History of England I and II

Politics: Politics 3311, 3312 and other appropriate electives

Art: History of Art and Architecture I, II and other appropriate electives

Psychology: Foundations of Psychology as a Human Science

THROUGH PLAN IN ENGLISH

Braniff's Through Plan allows English majors to continue their studies, earning a B.A. and an M.A. in a shorter period of time. Up to two approved graduate courses taken during senior year may count toward the M.A. Interested students should contact their undergraduate advisor and the English master's graduate director by the spring semester of their junior year.

Benefits

- Competitive advantage when applying for Ph.D. programs or pursuing a career
- GRE and application fee waived

Plan Overview

See the Braniff Graduate School entry for all master's program details.

Senior Year Options

- Up to two graduate courses (6 credit hours) with final grades of B or higher
- 3000-level foreign language course with a final grade of B or higher

Master of Arts in English

- Comprehensive examination
- Thesis, 6 credit hours
- 24 additional credit hours, minus approved graduate credits taken during senior year

COURSES IN ENGLISH

1301. The Literary Tradition I. An introduction to the study of poetry exploring the bearing of poetic form upon meaning and of poetic meaning upon truth. The student acquires the arts of careful, responsive reading; intelligent discussion; and lucid interpretive writing. Readings in classical epic poetry provide introduction to the heritage of great poems which have defined the Western tradition. Intensive study of *The Iliad*, *The Odyssey*, *The Aeneid*, *Sir Gawain and the Green Knight* and *Beowulf* emphasizing the epic poet's representation of a comprehensive view of the cosmos, human effort, the city and the divine, as well as his portrayal of the heroic life in confrontation with death. Fall and Spring.

1302. The Literary Tradition II. A treatment of Dante's *The Divine Comedy* and Milton's *Paradise Lost*, establishing terms different from the classical epic by which to understand heroic action and its ends, within an imaginative cosmos shaped by Revelation and by Christian culture. The course concludes with a selection of English and American lyric poems from Renaissance to the present day which now continue the meditations on man and his place in the cosmos from within the lyric utterance of a single speaking voice. Fall and Spring.

2311. The Literary Tradition III. The study of dramatic tragedies and comedies with a view to understanding the meaning of these two alternative yet concurrently enduring vistas upon the human condition. Readings in the Greek dramatists, the Elizabethans and modern European and American playwrights. Discussion of individual plays and continuity and difference within the tradition, accompanied by the student's composition of interpretive essays. *Prometheus Bound*, *The Oresteia*, *Oedipus Tyrannos*, *Oedipus at Colonus*, *Antigone*, *The Bacchae*, *Frogs*, *The Book of Job*, *Everyman*, *The Second Shepherd's Play*, *Dr. Faustus*, *Hamlet*, *Othello*, *King Lear*, *Merchant of Venice*, *The Tempest*. Fall and Spring.

2312. The Literary Tradition IV. Reflections upon the novel as the distinctive modern contribution to the literary tradition. Studies in 19th and 20th-century European and American fiction with emphasis on the portrait of human beings in a modern society confronting their ample freedoms and the attendant problems of those freedoms. A growing unease with God, nature and tradition as authoritative guides for human living gives rise to new notions of human community in a period of immense social and economic and political change. Further training in the writing of the interpretative essay, together with sequenced assignments leading to composition of a short story displaying the techniques of narrative fiction. *Moby Dick*, *Mansfield Park*, *Crime & Punishment*, the "Ike McCaslin" stories in *Go Down*, *Moses* and other short stories or novellas. Fall and Spring.

3323. Medieval Literature. Anglo-Saxon and Medieval poetry, narrative and drama, with special emphasis on the Bible and biblical typology in the determination of medieval themes and patterns. Authors treated include Chaucer, the Pearl Poet, Malory and others. Fall.

3324. Literary Study I: Lyric. Introduction to literary study and interpretation, with a central focus upon lyric poetry in English. The course establishes the nature and practice of close reading of a literary text. At the same time it treats the various resources of poetic language—prosody, figurative language, tone and allusiveness, with a view to grasping continuities within and new developments of the tradition of the English lyric. The course concludes with the Junior Project, independent study of an important British or American lyric poet. Fall.

3326. Early Modern Literature. Consideration of major writers of the period in light of their contribution to modern culture: the way in which they explore the limits of continental and English lyric conventions, the problematic character of political and religious contexts, the implications of the new science and philosophy upon traditional poetic models. In addition to an emphasis on Shakespeare's poetry and drama, the course also treats authors such as Spenser, Sidney, the Metaphysicals, Milton, Pope and Swift. Spring.

3327. Romantic and Victorian Literature. An exploration of the emergence and aesthetic developments of literary Romanticism in an era of great social and philosophical change, as well as the distinctive emphases and innovations of Victorian literature. Works studied include poetry, prose fiction and essays by authors such as Wordsworth, Coleridge, Keats, Tennyson, Browning and Dickens. Spring.

3340. Advanced Composition. An advanced study of the rhetorical art of expository, argumentative writing at the levels of invention, organization and style. Students study English grammar and punctuation in order to write correct, interesting and beautiful sentences; the art of organization in order to fashion shapely essays from parts into artistic and powerful wholes; and rhetorical invention—logical, emotional and ethical—in order to make responsible appeals to the free judgment of others. The course reflects upon the nature of rhetoric not only as a practical and productive art, but also as a liberal one.

3343. Bible as Literature. The old and new testaments from a literary perspective, suggesting continuities of biblical writing with traditional literary themes, genres and forms and establishing the centrality of the Bible—its stories, typology and interpretation of history—in shaping the imagination of writers to the present time.

3355. Tragedy and Comedy. Studies of the major works of these two genres with a view toward understanding two alternative but concurrently enduring vistas upon the human condition. Readings normally include selections from the major Greek authors through Shakespearean examples of the dramatic genre.

3357, 4357. Special Topic. Study of an author, question, or topic not treated in any of the regular course offerings but of comparable consequence. Offered as needed.

4359. Shakespeare. Comedies, histories and Roman plays against the background of the four great tragedies seeking understanding of this great poet as a thoughtful guide in a confrontation of classical, Christian and modern traditions. Spring.

4360. American Literature. Study of major American writers, predominantly of the nineteenth century, focusing upon Hawthorne, Melville, Emerson, Thoreau, Whitman, Dickinson, Twain and James. Reflection upon the definitive stresses productive of the national character and upon continuing tensions generated by the meeting of the New World with the Old. Fall.

4361. British Novel. The development of the British novel from the eighteenth century to Virginia Woolf. Consideration of the novel as a reflection of changing conceptions

of human consciousness, of changing attitudes toward society and of the individual's participation in community. Spring.

4362. Twentieth-Century Literature. Study of major poets, novelists and dramatists of the twentieth century writing in English; modern writers such as Pound, Yeats, Stevens, Joyce, Woolf and Faulkner; as well as writers from the second half of the century. Students may substitute another course in twentieth-century literature. Fall.

4363. Literary Study II: Prose Fiction. The nature of narrative and of the interpretative skills necessary for reading fiction, focusing on major British and American novels, or novels written in English. It culminates in the Senior Project, a written and oral presentation on a major novel in English. Spring.

4372. Faulkner. A consideration of Faulkner's fiction as uniquely capable of grasping at once the novel character of the American experience and its continuity with the great tradition.

4373. The Russian Novel. Studies in the fiction of Gogol, Turgenev, Dostoevsky, Tolstoy and Chekhov. Special emphasis is accorded the theme of the abrupt and relatively belated confrontation of a Christian society with European modernity.

4380. The Trivium. An advanced introduction to the liberal arts of language—grammar, logic and rhetoric—and their relationship to liberal education.

4V41. Independent Research. An opportunity to conduct a special program of inquiry under the guidance of a faculty member. Approval by Chairman required.

5318. Tragedy/Comedy. Consideration of two alternate but constantly recurring vantages upon human life beginning with Greek drama and Aristotle's *Poetics*, continuing with Elizabethan-Jacobean drama and concluding with an assessment of the fortunes of tragedy in the modern era. Reflection upon the relationship between the dramatic form and the human action embodied in that form and upon epochal changes in conception of what constitutes tragic limitation and comic fulfillment. Spring.

5319. Classical Epic. Studies in the *Iliad*, *Odyssey* and *Aeneid* with a view to understanding epic poetry as the most comprehensive form of literary art. Concentration upon the elaboration of a classical conception of the nature of heroism, divinity and social order in the poems of Homer and Vergil. Reflection upon continuity and divergence in the epic poets' various renderings of cosmic order, the city, divine providence and human excellence.

5320. Arthurian Romance. An approach to medieval genre—romance—and a medieval theme—fin' amors—through the study of major literary manifestations of the medieval legend of Arthur. Authors and texts studied may vary, but as a rule special emphasis is given to the twelfth century verse romances of Chrétien de Troyes and Sir Thomas Malory's fifteenth century "reduction" of the legend into English prose.

5321. Modern Irish Literature. Readings from the literature of 20th Century Ireland, with special emphasis on Yeats, Joyce, O'Brien and Heaney.

5322. Menippean Satire. Studies in a distinguished but relatively unexplored family of literary works focusing upon Rabelais, Cervantes, Swift, Sterne, Byron, Lewis Carroll, Joyce, John Barth. Emphasis upon the preponderance in these works of authorial digression over the more usual emphasis of fiction upon human character and action.

5323. Modern Southern Literature. Principal participants in the Southern Literary Renaissance and its heirs: Davidson, Ransom, Tate, Warren, Lytle, Porter, Welty, Gordon, O'Connor, Taylor. Includes the major achievements of the Southern writer in verse, prose fiction, literary and social criticism. Emphasis is given to the consideration of the relation between the Southern writer and culture of the South.

5324. Dante. Study of the works of Dante with emphasis upon *The Divine Comedy* and Dante as the greatest poetic exponent of medieval Christendom's understanding of the analogical character of being.

5325. Augustan Literature. Considers works that represent the rich varieties of genre, style, authorial stance, and subject matter in English literature throughout the eighteenth century, showing the period at both its most traditional and its most innovative. Particular emphasis on eighteenth-century writers' adaptations of literary conventions in response to the political, social, religious, and aesthetic conditions of their own age, and on their complicated relationship with the classical inheritance. Genres discussed may include the essay, the novel, the drama, lyric, satirical, pastoral, georgic, and mock-epic poetry, and historical narrative; authors may include Addison, Steele, Swift, Pope, Johnson, Congreve, Goldsmith, Cowper, Smollett, Fielding, and Hume.

5326. Waugh and the Post-War West. The study of some of the novels of Evelyn Waugh, focusing on his response and those of three other English novelists, E.M. Forster, Henry Green, and Graham Greene, to the pervading sense of gloom about the future of Western Civilization following World War I.

5375. Special Studies. Study in an author, question, or topic not treated in any of the regular course offerings but of comparable consequence. Offered as needed.

Environmental Science Concentration

DIRECTOR

Associate Professor Slaughter

Environmental science is an interdisciplinary field that incorporates study of problems caused by human use of the natural world with analysis of remedies for these problems through social, economic, or political change. While incorporating information on natural processes (e.g. physical and biological), the field of environmental science also analyzes the role that technology plays in our society and its capacity to alter natural processes as well as solve problems. A third dimension of this field, analysis of the social processes that characterize human populations, emphasizes critical thinking about decisions made at the individual, societal, corporate, political and global level that impact natural processes. This approach outlines the way in which environmental problems are both created and solved by human populations. Thus, environmental science is a mixture of traditional science, societal values and political awareness.

Reflecting this interdisciplinary approach, the Environmental Science Concentration requires six courses selected from a wide range of disciplines and departments.

CONCENTRATION REQUIREMENTS

BIO 2360, 2160. Environmental Science and Lab.

CHE 3445. Environmental Chemistry.

MAT 3327. Statistics or **Eco. 3327 Statistical Methods** or **BIO. 3345 Biostatistics.**

PHI 4333. Philosophy of Science. Alternate courses accepted with prior permission.

Research/Internship. Offered through the student's major department; 3 credits.

Electives: (Select one of the following)

POL 3324. Public Policy.

ECO 4356. ST/Economics of the Environment.

ECO 4341. Economics and Social Ethics.

HIS 4357. American Environmental History.

BIO 3346. Animal Behavior.

BIO 3326. Ecology.

PHY 3363. Computational Physics.

PHI 4336. Ethics.

BUS. Any Business course that pertains to issues raised in environmental science.

Ethics Concentration

DIRECTOR:

Associate Professor Simmons

The Ethics Concentration provides an opportunity for a focused study of ethical issues. Its foundation is the Ethics course offered by the Philosophy Department (PHI 4336), which provides a "systematic treatment of ethics and morality with an overview of major ethical theories." Upon this foundation, students are able to take their studies in a variety of directions. One possibility is to concentrate on some major areas of ethical concern in contemporary society, such as business ethics, bioethics, or the ethical issues arising as a result of the rapid development of technology. It is possible, as well, to emphasize the intersection of philosophy and theology, by examining not only philosophical responses to ethical concerns, but also the teachings of the Church in fields such as social justice and the family. Finally, the Ethics Concentration acknowledges and provides for study of the political dimension of ethics, since the good life thrives best in a community that is governed by just laws.

CONCENTRATION REQUIREMENTS

The Ethics Concentration allows students to combine appropriate courses in Philosophy, Theology, and Politics. Guided by his or her advisor, the student will create a five-course curriculum which, in addition to PHI 4336, will include at least two additional courses in Philosophy and at least one course in Theology or Politics.

Philosophy Courses:

PHI 3334. Business Ethics.

PHI 4334. Bioethics.

PHI 4339. Information Ethics.

PHI 5311. Philosophy of Law.

PHI 5332. Philosophy of Technology.

occasional Special Topics courses

Politics and Theology courses:

POL 3332. Aristotle's *Politics*.

POL 3342. Political Philosophy and the Family.

POL 3368. Catholic Political Thought.

POL 4350. Aristotle's *Ethics*.

THE 3340. Social Justice.

THE 3341. Moral Theology.

THE 4342. Christian Marriage.

THE 4343. Social Teaching.

occasional Special Topics courses

General Studies

FACULTY

Faculty as required

The university makes available various one-credit courses which respond to needs and interests of its students. These courses are extra to the regular offerings and, unless otherwise indicated, are graded on a *Pass/No Pass* basis. They are referred to as activity credits. *Four* of these *Pass/No Pass* credits may be included in the 120 credits required for graduation. See Music for additional listings.

REGULAR GENERAL STUDIES OFFERINGS

1101. Theater Arts Workshop. An opportunity for all students to participate in the University Theater, whether on stage or behind the scenes working with sets, costumes, lighting. Open auditions are held for the major productions.

1103. Yearbook Practicum. An opportunity for students to gain experience in yearbook publication. The one-credit involves regular meetings and production of the yearbook. May be repeated up to three times for credit. Fall and spring. Graded Pass / No Pass.

1106. Community Volunteer Services. Integrates meaningful community service with reflection to enrich the student's learning experience, teach civic responsibility, and strengthen communities. The student will earn credit based on combined organization participation and the student's documentation of the service experience, observations, and results. May be repeated. Fall and Spring. Graded Pass/No Pass.

1110. Writing Principles. A course in prose style with emphasis on the grammar, syntax and punctuation of the English sentence. Fall and Spring.

1112. Study Skills and Academic Success. This course lays the foundation for the acquisition of the different skills required by the courses in the Core.

1115. Art Gallery Practicum. Introduction to exhibition installation, management and curatorship. Students assist with design of exhibits and printed material, installation and research and serve as docents. Fall and Spring. May be repeated. Graded course. Art majors register under Art 1115.

1116. Major and Career Planning. For freshmen and sophomores who want to explore the opportunities available to them with various majors and careers. Class instruction encompasses: decision-making and goal-setting; self-assessment; connecting personal profile with majors and careers; evaluating graduate school for various professions; and exploring various career settings. Particularly helpful to "undeclared" students.

1117. Career Development. Techniques and strategies for effective job search. Emphasis placed on the assessment of marketable skills, researching the market place, building a personal brand, developing a network of contacts, writing resumes and cover letters, and interviewing.

1118. Public Speaking. Basic speech development and presentation skills are presented and practiced. Included are impromptu speaking, identifying the different types of speeches, parts of a speech, getting and keeping the audience's attention and using sources.

1120. The Art of Library Research. The goal of this course is to sharpen students' abilities to identify appropriate materials, whether print-based or digital, using the latest tools available. Topics include strategies for exact targeting of important scholarship or information, detailed introductions to subject-specific as well as general databases and instruction in the best use of the interlibrary loan service.

1122. Moot Court. Analysis of court cases in preparation for regional court style competitions. Excellent experience for Pre-law and other students seeking training in close-reading and reasoned argument. May be repeated.

1126. Jane Goodall's Roots and Shoots. The Jane Goodall Institute program is devoted to inspiring reflection on our relationships to each other, to other cultures, to the plant and animal life with which we share the world and to the planet that is our hope and destiny. Students are encouraged to take their interests in conservation, preservation of the environment, animal husbandry and world peace into local schools to help "spread the word." Open to students at all levels and from all majors. Students are invited to the annual national college summit in the Spring where they can meet Jane Goodall.

1128. Christian Sexuality. Discussion of topics of human sexuality within the context of Catholic Church teachings.

1131. Pre-Health Seminar. Introduction to the university Pre-Health Program.

1375. Shakespeare in Italy. Shakespeare's Roman and Venetian plays. Lectures, on-site tours and reading incorporating topics in history, politics, art and theology. Frequent written assignments help develop the ability to write clear and thoughtful essays. Graded course. Summer.

1378. Roman Civilization in Rome. A three week intensive study of the language, literature, history, art and architecture of Rome from its beginnings to the time of Hadrian. Daily visits to significant sites of historical and literary interest in and around Rome and the Bay of Naples, accompanied by daily lectures, discussions and small group language tutorials in the Latin language. Graded Pass/No Pass.

1379. King Arthur in England. Major medieval English literary works concerned with the legends of King Arthur, with emphasis on Sir Thomas Malory's fifteenth-century *Le Morte D'Arthur*. Introduction to the rudiments of Middle English, medieval theories about kingship and fin'amors, the sources of the story of the Holy Grail and the historical basis for the accretion of legends around the character known as Arthur.

1V40. Special Topics. Graded Pass/No Pass.

1V45, 3345. Special Topics. Graded course.

1V76. Thomas More in England. The life and works of Thomas More with a view to understanding the challenges of great leadership. Lectures, on-site tours and readings from major prose works. Graded course; two-three credits. Summer.

3165. Special Topics in European Studies. Focus is on the people and places in Rome and other major cities and sites in Italy and Europe. Specific content varies.

3V57. Independent Study with Field Experience—Internships. Graded Pass/No Pass; T grade may be assigned when circumstances warrant. Consult listing under *Internships*. \$100 fee applies.

3V99. Consortium Enrollment. \$250 or program-specific fee applies. Consult listing under Academic Policies and Procedures.

ROTC COURSES

Students who wish to earn appointments as commissioned officers in the United States Army or Air Force may participate in the general military and professional officer courses at the University of Texas at Arlington (Army) or the University of North Texas (Air Force). Eight credits earned in ROTC programs may be counted as electives toward the undergraduate degree. Only the grades for these 8 credits are counted in the GPA.

Army ROTC: 1141–1142–0180. Introduction to ROTC and Leadership Lab.

2251–2252. Team Development and Indiv./Team Mil. Tactics.

2291 or 4391. Conference Course.

3341–3342. ROTC Leadership I and II.

4341–4342. Advanced ROTC Leadership I and II.

For additional courses, see www.uta.edu—Department of Military Science.

Air Force ROTC: 1130–1140. The Air Force today.

2130–2140. The Development of Air Power.

3410–3420. Air Force Leadership/Management.

4410–4420. Aerospace Studies.

For additional courses, see <http://www.unt.edu/catalogs>—Aerospace Studies (Air Force).

SPORTS ACTIVITY COURSES

The following sports activity courses are one-credit hour courses that meet twice weekly for one hour on a pass/no pass basis. They are introductions to the sport and to its coaching fundamentals. These courses are appropriate for students who plan to teach and coach at the secondary school level. Courses may not be repeated for credit.

1151. Baseball. Fall.

1152. Basketball Theory. Fall.

1153. Lacrosse. Fall.

1154. Softball. Fall.

1155. Beginning Weight Training. Fall.

1156. Soccer. Spring.

1157. Volleyball. Spring.

1158. Running for Lifetime Fitness. Fall and Spring.

UNDERGRADUATE COURSES IN SCHOOL OF MINISTRY

Biblical School

School of Ministry offers various one credit courses through its Biblical School. The School of Ministry Biblical School is a four-year program that covers each book of the Bible from a Catholic perspective. The courses begin each fall and are taught throughout the Dallas-Fort Worth area. (Biblical School listed under GSR.)

3101. The Exodus Experience.

3102. Deuteronomy and Genesis.

3103. Taking, Governing, Losing the Land.

3106. Jesus in Mark and Luke.

3107. Jesus in Paul.

3108. Jesus in John and Revelation.

3111. Pre-exilic Prophecy.

3112. Exile and Restoration.

3113. Post-exile.

3116. Wisdom in Israel.

3117. Judaism in the Hellenistic World.

3118. Early Christian Development.

3119. Women in Scripture.

Adult Faith Formation

School of Ministry also offers a four-year academic faith formation.

3120. Introduction to Sacred Scripture.

3121. Pentateuch.

3122. Prophets, Psalms, Wisdom.

3123. Apocalyptic Literature.

3125. Gospel of Luke-Acts of the Apostles.

3126. Synoptic Gospels.

3127. Pauline Literature.

3128. Johannine Literature.

3129. Ministry in the Church.

3130. Homiletics I.

3131. Homiletics II.

3132. Homiletics III.

3133. RCIA Practicum.

3134. Liturgical Praxis.

3135. Lector Training.

3136. Acolyte Training.

3137. Deacon at Mass.

3138. Deacon Celebrating Sacraments.

3139. Collaborative Ministry.

3140. Introduction to Morality.

3141. Catholic Social Teaching.

3142. Socio-ministerial-sexual ethics.

3143. Human Sexuality and Morality.

3144. Medical Ethics.

3145. Missiology/Catholic Evangelization.

3146. Adult Catechesis.

3147. Ecumenism and Interreligious Experience.

3148. Gospel of Mark.

3150. Introduction to Theology.

3151. Fundamental Theology.
 3152. Christian Anthropology.
 3153. Christology.
 3154. Trinitarian Theology.
 3155. Ecclesiology.
 3156. Sacraments.
 3159. Mariology.
 3170. Introduction to Spirituality.
 3171. Spiritual Direction I.
 3172. Spiritual Direction II.
 3173. Liturgical Spirituality.
 3174. Spirituality of Leadership.
 3175. Vatican II.
 3176. Introduction to Canon Law.
 3177. Canon Law of Marriage.
 3178. Canon Law and Diaconal Ministry.
 3181. Philosophy I.
 3182. Philosophy II.
 3183. Patristics.
 3184. Councils of the Church
 3185. Introduction to and History of Liturgy.
 3186. Theological Implications of Sacred Ritual.
 3187. Sacred Art and Architecture.
 3188. Church History.
 3189. United States Church History.
 3190. Integrated Seminar.
 3191. Pastoral Care.
 3194. Pastoral Psychology.
 3199. Special Topics

Healthcare Business Concentration

ADVISOR

S. Howard

The need to enhance traditional academic programs has led to the development of an interdisciplinary concentration that involves the collaboration between the biology department and the College of Business. The new concentration is targeted to biology majors who seek to explore the healthcare occupations. For pre-health students this concentration provides students with additional knowledge and skills in their field that can help to augment their graduate school applications. Students who complete the healthcare business concentration may be more competitive graduate school applicants and in turn, have greater acceptance rates at schools of choice.

CONCENTRATION REQUIREMENTS

All students seeking the Healthcare Business Concentration are required to take a total of 16 credit hours. Required courses are as follows:

BUS 1301. Business Foundations.

BUS 1310. Financial Accounting.

BIO 3352. Healthcare Issues.

GST 1131. Pre-Health Seminar.

Electives: (Select one of the following)

BUS 3320. Marketing.

BUS 3302. Leadership and Organizations.

BUS 3306. Communication in Business.

BUS 3307. Global Entrepreneurship.

In addition a 3-credit internship is required of all students completing the concentration. This internship will place students in selected healthcare settings supervised by experienced mentors involved in direct patient care or the management of patient care. Students will be exposed to day-to-day managerial functions of the organization and should participate in actual applied projects as part of the internship, rather than shadowing or observing in a healthcare setting. In the internship students should draw upon, synthesize, and apply classroom learning to real life settings in these actual healthcare environments. The internship should allow students to explore the culture, ethical issues and community impact of the organization. A student may register for either GST 3V57, BIO3V57, or BUS3V57 in order to receive credit for the internship.

History

FACULTY

Chair and Associate Professor Sullivan; Professor Emeritus Sommerfeldt; Professors Jodziewicz and Wilhelmsen (Modern Languages); Associate Professors Atto, Hanssen and Swietek; Assistant Professors Gibson and Petersen; Affiliate Instructor Cupp

As a discipline, history is the rational and imaginative reconstruction of the past in terms of human thoughts, expressions, actions and experiences. Its special object is change over time. The purpose of history is to seek knowledge of the human past and, through that study, an understanding of human conduct. History is a subject particularly appropriate to the University of Dallas, which defines its purpose in terms of the renewal of the Western heritage of liberal learning and the recovery of the Christian intellectual tradition. History provides a unique bridge between the two. As a discipline, it was created by the Greeks and taken up as an intellectual pursuit by the Romans, one of whom—Cicero—called it "the light of truth, the witness of time, the mistress of life." It represents the Greco-Roman cultural tradition which lies at the foundation of the Western heritage in an especially powerful way. History is also of particular relevance to the Judaeo-Christian tradition, which is predicated on the significance of events in time as revelatory of the relationship of man to God. As F. M. Powicke has written, "The Christian religion is a daily invitation to study history."

The history curriculum consists of the core courses in Western Civilization and American Civilization, upper-division courses both topical and geographical and a course required of majors in historiography and historical method. As their comprehensive examination, majors also write a Senior Thesis under the direction of a member of the Department.

This curriculum is based on the university's stated purposes and on the Department's view of the discipline. The core courses are designed to introduce students to history as a mode of knowing which understands men and women through the interpretation of individual instances of their activity in the past. These courses both introduce students to the fundamental elements of the Western heritage and the Christian tradition and demonstrate the contribution of historical thinking to mature and thoughtful reflection on the human condition. First, by concentrating on the essential qualities of European and American civilization from a developmental viewpoint, the courses offer a solid grounding for the more specialized treatments of Western culture confronted in other core courses. Second, by introducing all students to the critical attitude which historiographical issues necessarily raise, the courses attempt to instill a realization and appreciation of the complexity of human life.

Advanced history courses proceed from the core courses. Each course uses increasingly detailed information to involve students in more complex and demanding exercises in historical method. That method is at once critical in its attitude toward evidence and empathetic in its use of that material to understand the individuals of the past and their actions. It further engages the power of the imagination, both to comprehend the motives which lay behind the specific occurrences attested by evidence and to draw connections among various pieces and kinds of evidence. And it demands an accurate and delicate form of expression, both oral and written, which can convey with clarity the conclusions of the historian without sacrificing a sense of the complexity which is always present in human affairs.

The culmination of the program for majors is a course which studies history historically. By concentrating on the development of the historical method and involving

the student in the critical yet sympathetic analysis of the works of specific historians, the course also seeks to prepare students for the rigorous exercise of practicing history through extended research on a particular topic and the careful exposition of conclusions in the **Senior Thesis**. It is appropriate, given the structure of the curriculum and the premises on which it is based, that the comprehensive examination in history should be in the form of such a project rather than a more conventional test. The object of the major program is not merely to provide a familiarity with, or ability to enumerate, facts of the Western past; it is rather to develop within students a habit of thinking historically and to foster the ability to apply the historical method effectively to specific questions about the past and express these findings with care, thoroughness and literary expertise. This goal can best be achieved through the practice of the method in a particular instance, under the watchful guidance of one who has already achieved some mastery of it. For, as Fernand Braudel has said, history may seem a simple craft, but it is also one that cannot be understood without practicing it.

Finally, the Department does not claim to provide a program of study which leads to the whole truth, or even to a knowledge of all history. Rather, it espouses a point of view based on the premise that the thoughtful and regular application of the historical method can attain a portion of the truth, namely truth about the past; and the Department offers all students some of that truth about the past, along with the truths about human knowing which are learned through the practice of the discipline itself. The imperfection of the result is itself a means of instructing students as to the realities of the human condition.

BASIC REQUIREMENTS

Twenty-four advanced credits in history, including 4347 The Seminar in History, 4348 The Senior Thesis. Six advanced credits must be in United States history and six in European history. In the spring semester of the junior year, students select a topic for the senior thesis. In the following fall students register for 4348. The successful completion of the thesis constitutes a student's comprehensive examination. In addition, the history major must complete three advanced credits in philosophy. The department recommends that the student select these credits according to an area of interest or according to post-graduate career plans.

Suggested Sequence for History Major

YEAR I

Art, Drama, Math, or Music	3	Art, Drama, Math, or Music	3
English 1301	3	English 1302	3
History 1311	3	History 1312	3
Language 1301 (or 2311)	3	Language 1302 (or 2312)	3
Philosophy 1301	3	Theology 1310	3
	<u>15</u>		<u>15</u>

YEAR II (during Sophomore Year)

English 2311–2312	6
History 2301–2302	6
Philosophy 2323	3
Theology 2311	3
Politics 1311	3
Language (or Elective)	6
Elective	3
	<u>30</u>

YEAR III

History Electives	6	History 4347	3
Philosophy 3311	3	History Elective	3
Science	3	Electives	6
Economics 1311	3	Science	4
	15		16

YEAR IV

History 4348	3	History Elective	6
History Elective	3	Electives	9
Philosophy Elective	3		15
Electives	6		
	15		

COURSES IN HISTORY

1311. American Civilization I. Beginning with the advent of European man in the new world, the course surveys the Colonial period, the Revolution, the shaping of the federal union, westward expansion, the slavery controversy and closes with the Civil War. Texts studied include Benjamin Franklin's *Autobiography*, Thomas Jefferson's "Summary View of the Rights of British America," the Declaration of Independence, the Constitution, selections from *The Federalist Papers*, "The Seneca Falls Declaration of Sentiments and Resolutions" and Frederick Douglass' *Narrative*.

1312. American Civilization II. Surveys the development of the American nation from the Civil War and reconstruction; it considers the close of the frontier, the impact of technology and petroleum, the emergence of the United States as a world power and the American role in the World Wars. Effort is made to place American civilization in context by reference to events occurring in the rest of the world. Texts studied include "The Significance of the Frontier in American History" by Frederick Jackson Turner, *The Education of Henry Adams*, Martin Luther King, Jr.'s, "Letter from a Birmingham Jail" and George Kennan's *American Diplomacy*.

2301. Western Civilization I. The Western Civilization sequence offers the historical framework necessary to the integration of the elements which make up a liberal education. Beginning with the cultures of the ancient Near East, this course proceeds chronologically through the Greco-Roman, medieval and Renaissance periods, acquainting the student with major political, social and intellectual movements. Texts studied include The Book of Job, Thucydides' *History of the Peloponnesian War*, the first five books of Livy's *Ab urbe condita*, Boethius' *Consolation of Philosophy*, Einhard's *Life of Charlemagne* and Thomas More's *Utopia*.

2302. Western Civilization II. Proceeding from the Reformation, this course continues through the era of European exploration, the Enlightenment, the French Revolution and its aftermath, the Industrial Revolution, nineteenth-century nationalism and the two World Wars and concludes with a consideration of postwar circumstances. Texts studied include John Calvin's *Institutes of the Christian Religion*, selections from Denis Diderot's *Encyclopedia*, "What is Enlightenment?" by Immanuel Kant, Edmund Burke's *Reflections on the Revolution in France*, *The Communist Manifesto*, Pope Leo XIII's *Rerum Novarum* and Elie Wiesel's *Night*.

3303. Ancient Greece. Beginning with the Mycenaean age, the course surveys the political and cultural development of Greece to the Hellenistic era. Topics include the character of the polis, Greek commerce and colonization, the Persian wars, the Athenian empire and its achievements, the Peloponnesian war, fourth-century philosophy, Alexander the Great and the Hellenistic successor states.

3304. The Roman Republic. Survey of Roman history beginning with the founding of the city and concluding with the death of Julius Caesar. Topics include the regal period, the struggle of the orders, Roman imperialism, the development of Roman culture and the crisis of the republican constitution.

3305. The Roman Empire. Surveys of the history of Rome from the Augustan age to the fall of the empire in the West. Topics include the principate and the development of absolutism, imperial culture, the impact of Christianity, the reforms of Diocletian and Constantine and the causes of Roman decline.

3306. Topics in Ancient History. A detailed study of selected aspects of ancient culture and civilization.

3307. Medieval Europe I. Beginning with the decline of the Roman Empire and the rise of the Germanic successor states, the course surveys the development of medieval western civilization through the eleventh century. Topics include the expansion of Christianity, the Byzantine state, the Carolingian systems, the Ottonian age, the investiture controversy and the crusading movement.

3308. Medieval Europe II. Survey of the political, social, economic, religious and intellectual aspects of medieval civilization from the twelfth to the fifteenth centuries. Topics include the twelfth-century renaissance, the development of papal power, the growth of nation-states and the transition from medieval to modern world.

3309. Topics in Medieval History. Detailed study of selected aspects of western medieval culture and civilization.

3310. The Renaissance. Between 1300 and 1517, great changes in European life were brought about by the Black Death, the Babylonian Captivity of the papacy, the activities of merchant venturers, the rise of the new state and the thought of nominalists and the humanists of the Italian Renaissance. The course studies the effect of these events and movements on the political, ecclesiastical, social and intellectual life, as well as on the art and architecture of the time.

3311. The Reformation. After 1517, the Western church broke apart, affecting radically the unity of European culture and civilization. Luther, Calvin and Zwingli reshaped religious thought and institutions. At the same time, the Roman Catholic Church underwent a renewal which has affected it to this very day. All of this was accomplished by bitter religious and political wars, but also by the rise of modern science, visionary social schemes and feverish artistic activity.

3312. Topics in the Renaissance and Reformation. A detailed study of selected aspects of European culture and civilization during the fourteenth, fifteenth, sixteenth and early seventeenth centuries.

3313. Modern Europe I. Detailed survey of the social, political and intellectual history of Europe from the Reformation to the fall of Napoleon in 1814. Special emphases are placed on the rise of the modern state and on the origins of both the Industrial and French Revolutions.

3314. Modern Europe II. Covering the period from the Congress of Vienna to the present, the course focuses on the history of classical Western Liberalism—the difficulty with which it was institutionalized in the nineteenth century and the challenges which it faced from the growth of the welfare state and the rise of totalitarianism in the twentieth century.

3316. Topics in Modern European History. Detailed study of selected aspects of modern European culture and civilization.

3320. The British Empire. Covers British Empire history from the explorations of the New World to twentieth-century decolonization, with an emphasis on Britain's "second empire," especially India and the continuing importance of the empire in Britain's domestic politics and national imagination. Also surveys the historiography of the British Empire and considers the Empire's role in westernization and definitions of The West.

3321. History of England I. Survey of English history from Celtic times to the end of the Tudor period. Topics include the Roman conquest, the Anglo-Saxon kingdoms, the Norman conquest and its consequences, the development of common law and parliament, the effects of the Hundred Years War, the Tudor monarchy, the English Reformation and the Elizabethan age.

3322. History of England II. Covers the Stuart and Georgian periods, industrialization and the American Revolution, the era of the French Revolution and nineteenth-century reform, imperialism and twentieth-century Britain.

3323. History of France I. The old regime from the High Middle Ages to the eve of the French Revolution. Special consideration given to the political evolution of France and the impact of a developing absolutism on traditional society.

3324. History of France II. Modern French history begins with the French Revolution, yet much of the old regime persisted well into the nineteenth century. This course studies the repeated attempts, from Napoleon I and the First Empire to the socialist government of François Mitterand, to realize the legacy of the French Revolution and to complete the construction of a new social and political regime.

3325. History of Germany I. Medieval Germany was the center of a revived Roman Empire which recovered rapidly from the disintegration of Carolingian rule and the Viking invasions. The Saxon and Salian dynasties ruled the most effective state of their time—a state which elicited and patronized the Ottonian Renaissance. The impact of the medieval reformation was devastating to the imperial constitution and Germany became the weakest and most divided nation of the Late Middle Ages. This set the stage for the Reformation and the disintegration of the idea and reality of Empire in the Thirty Years War.

3326. History of Germany II. Germany contributed a series of figures seminal to the development of modern European culture and civilization, among them Bach, Frederick the Great, Goethe, Bismarck and Hitler. This course studies the rise of the dynastic state; the Enlightenment, Romanticism, Conservatism, Marxism and Nazism; and the interrelationship between ideas and institutions in Germany and Central Europe from 1648 to the present.

3328. History of Spain I. Survey of Spanish history from antiquity through the reign of the Catholic monarchs. Topics include the Romanization of the Iberian peninsula, the development of Spain's national characteristics and sense of purpose through the long medieval conflict—known as the Reconquest—between the Christian and Islamic kingdoms, Spain's cultural achievements in the thirteenth century, Aragon's expansion into the Mediterranean and the unification of the four Spanish kingdoms by Ferdinand and Isabel.

3329. History of Spain II. Survey of Spanish history from the early sixteenth century to the early twentieth century. Emphasis is placed on the Golden Age, especially the Habsburg rulers Charles V and Philip II. Topics include imperial expansion, the defense of Christendom against the Turks, Spain's participation in religious conflicts and dynastic rivalries throughout Europe, cultural achievements during the Siglo de Oro, Spain's political and economic decline, the Enlightenment, civil wars and the loss of Spain's American empire and the conflicts that led to the Civil War of the 1930s.

3334. Church History I. The development of the Christian Church from the apostolic community to the thirteenth century.

3335. Church History II. The development of the Christian Church from the thirteenth century to the time of Vatican II.

3337. Constitutional and Legal History of Medieval England. A survey of English constitutional and legal development from the Anglo-Saxon invasions to the beginning of the Tudor period. The emphasis is on the ways in which law reflects society and how societal needs determine the law. Special attention is given to the origin and development of two fundamental institutions: the Anglo-American judicial system and representative government.

3341. Seventeenth-Century America. After consideration of European exploration and the Spanish and French New World empires, the course focuses on the development of English North America. Topics include religion, politics, social structure, economic growth, localism and imperial policies.

3342. Eighteenth-Century America. The development of Anglo-American culture before 1763 is considered with emphasis upon social, political and religious realities, especially the Great Awakening. Extended consideration is also given to the mid-eighteenth century imperial question, the American Revolution, the Confederation period, the creation of the Constitution and the early Republic.

3344. The Civil War. Beginning with the impact of the cotton gin, the industrialization of the North, the slavery controversy and the Dred Scott decision, the course proceeds with the firing on Fort Sumter, secession, the Northern and Southern strategies, the battles, Appomattox and Reconstruction.

3345. The Emergence of Modern America. In the years between 1877 and 1920, the United States was transformed from an agrarian republic into a world power and an urban industrial giant. This course explores the evolution of modern American society, economy, politics and thought during these years.

3346. America Since 1920. Examines the America of our own times, treating such topics as the rising influence of mass communications, the effects of the Depression and the Second World War, the origins of the Cold War, the culture of postwar affluence, the changing status of women, race relations and the American experience in Vietnam.

3349. Women in American History. Examines women's roles in American society from the colonial period to the present. Topics covered: the effect of the American revolution on women's status; women's spheres in the antebellum North and South; the development of an American feminist movement; and 20th-century developments in the study of women's history.

3350. The American South. Surveys Southern history from the colonial and national period, through secession, Civil War and reconstruction, to the 20th-century struggles over segregation and considers the continuing importance of the South in national politics and the national imagination. The course also provides an understanding of the field of Southern history as a separate area of study within American history, revolving around the question of Southern distinctiveness and the extent of continuity and of change between the "Old South" and the "New South."

3351. The American West. Review of the American pioneering experience from the first settlements in Virginia and Massachusetts to the close of the frontier in the late nineteenth century. Attention is given to certain aspects of the "Old West" that affect modern America. Emphasis is placed on the thought of Frederick Jackson Turner, Herbert E. Bolton and Walter Prescott Webb.

3352. Texas History. Beginning with the original native American inhabitants of Texas and Cabeza de Vaca, Coronado and the first European explorers. The course proceeds to an examination of the Spanish and Mexican periods, the Texas independence movement, the establishment of the Republic of Texas, early statehood, Confederate Texas and the Civil War. Emphasis on post-Civil War Texas, built first on cattle and agriculture, then augmented by petroleum and industrialization.

3354. American Catholic History I. Traces the development of Catholicism in the United States from the period of European expansion in the 16th century through the creation of the Republic and down to the Americanist crisis in the post-Civil War period.

3355. American Catholic History II. Continues the story of the Church and Catholics from the late 19th century through their continued growth and interaction with the larger American culture and into the post-Vatican II (1962-1965) and contemporary period.

3356. American Diplomatic History I. The development of American relations with other nations is traced from the Revolution through the Jefferson and Madison administrations, the Mexican War and early continental expansion, the Civil War, the Spanish-American War and imperialism at the turn of the century.

3357. American Diplomatic History II. Study of American relations with Latin America, World War I, isolationism, participation in World War II, origins of the Cold War and contemporary diplomatic problems.

3358. American Intellectual History. Examination of competing narratives of the American intellectual tradition, exploring the relative weight given to the American Protestant settlement, Enlightenment and neo-classical revival, Evangelical Awakenings and democratic reform movements, the growth of the social sciences, pragmatism, and progressivism, and the revival of interest in tradition and a particularly American conservatism in the twentieth century. The course will focus on competing readings of various primary sources, culminating in a study of the American reception of Alexis de Tocqueville's *Democracy in America* from the 1840s to the 1990s.

3360. Topics in American History. Study of selected aspects of American culture and civilization.

3361. History of Mexico. A panoramic view of Mexican history from the pre-Columbian age through the Mexican Revolution. Emphasis is placed on the societies of the Classical Horizon, cultures of the Postclassical Horizon, the Spanish conquest and colonization, the independence movement and reform, the Porfiriato and the Revolution.

3368. Modern China and Japan. Analysis of the history of East Asia in the nineteenth and twentieth centuries. Examination of traditional social structures, historical patterns and intellectual traditions is followed by a consideration of the impact of Western imperialism, the East Asian response and the resulting modernization. Also discussed are the effects of World War II as well as post-war changes in East Asian society, economy and politics.

3372. The Age of Jefferson. After consideration of Jefferson's intellectual formation in the Revolutionary period and the rise of the first party system, the course focuses on the Jeffersonian Republicans in power. Topics include the formation of America's political economy, the Marshall Court, the Louisiana Purchase, the War of 1812 and American nationalism in the postwar period.

3373. Jacksonian Era. A detailed examination of American culture between 1828 and 1850. Topics include the Second Great Awakening, American literary developments, critiques of American democracy, nullification and states' rights, antebellum reform, abolitionism, pro-slavery thought and the impact of Manifest Destiny and the Mexican War.

3V57. History Internship. A 1-3 credit practicum undertaken with the approval of the program director involving off-campus educational involvement, such as an internship or related activity, in which there is a designated analytical or intellectual element resulting in an appropriate research paper or related project. Students should follow guidelines for internships. Graded Pass/ No Pass.

4347. The Seminar in History. An examination of historiography through the consideration of classic texts and contemporary historical writing. Successful completion of this course is prerequisite to enrollment in History 4348. Spring.

4348. Senior Thesis. Each student investigates a topic and, under the guidance of a faculty advisor, prepares an extended research paper. Prerequisite: History 4347. Fall.

4350. Scientific Revolutions. A contextual intellectual history of critical episodes in the development of modern natural science, exploring the boundaries between the sciences as autonomous disciplines and the historical circumstances in which they have developed. Beginning with overviews of ancient and medieval natural philosophy and of the Scientific Revolution, the course then proceeds to a range of more modern topics, including the chemical revolution; the discovery of deep, especially geological, time; electromagnetism, relativity and quantum physics; the molecular revolution in biology.

4357. Special Studies in History. Offered as needed.

4V61. Independent Research in History.

The History and Philosophy of Science Concentration

COORDINATOR

Interim Professor Sepper

The History and Philosophy of Science (HPS) Concentration promotes reflection on a group of related but distinct intellectual disciplines: the natural sciences, the human sciences and mathematics. Within this multidisciplinary reflection, the central perspectives provided by history and philosophy are complemented by approaches from theology and from the human and social sciences. In addition, the Concentration integrates the perspectives of scientists themselves with those of historians, philosophers and others who study the sciences from without.

CONCENTRATION REQUIREMENTS

An HPS concentration includes fifteen hours of coursework: the two courses from group 1 below, at least two courses from group 2 and a fifth course from either group 2 or group 3. Appropriate courses not listed below may be counted as electives only, with approval of the Concentration coordinator.

Required courses

PHI 4333. Philosophy of Science.

HIS 4350. Scientific Revolutions.

Science electives. At least two of the following:

BIO 2317. Disease and Society.

BIO 2348. Darwin.

ECO 4325. History of Economic Thought.

HUSC 3331. Conceptual Foundations of the Human Sciences.

MAT 3322. History and Philosophy of Mathematics.

PSY 3330. History of Psychology.

Other electives

HUSC 3312. Science, Technology and Society.

PHI 4334. Bioethics.

THE 4346. Faith and Science.

No more than two courses in the concentration may count toward a student's fulfillment of Core or major requirements.

Human Sciences in the Contemporary World

FACULTY

Chair and Professor Sepper; Assistant Professor Pezzia. Associated Faculty: Professors Churchill (Psychology), Kugelmann (Psychology) and Rosemann (Philosophy); Associate Professors Slaughter (Biology) and Sullivan (History); Assistant Professor Freeman (Psychology)

"Human sciences" implies both an object of study and an approach with an aim. The object of study is human beings, individually and communally, engaged in all varieties of doing, making and experiencing. The approach-and-aim is comprehensive understanding of human being. This means that the human sciences do not privilege a single discipline or methodology, reduce the human being to a simplified object of explanation, or ignore the fact that investigating human being should be done in the first and second persons (I, we and you) as well as in the third person (they or it). Insofar as these sciences aim to be comprehensive, they must also be interdisciplinary. They incorporate most of the traditional social and behavioral sciences—anthropology, sociology, political economy, linguistics, economics, psychology/ social psychology and the like—but also many humanities disciplines and even parts of the biological sciences.

Historically, the human sciences emerged as many formerly traditional cultures were turning modern. One of the central concerns has therefore been the problems of negotiating this transition. This makes them indispensable for understanding human existence in the contemporary world.

Accordingly, the major (B.A.) and the concentration in Human Sciences in the Contemporary World have five major goals.

- To understand how the transformations of the contemporary world have both enhanced life and created unprecedented problems;
- To instill a sophisticated appreciation for the contemporary influences, movements, forces and tendencies that are transforming human life and institutions;
- To offer various ways of understanding the structures of contemporary societies and the processes of change that they undergo;
- To counteract the divisive force of intellectual overspecialization and compartmentalization;
- To place these matters within the context of the great traditions of Western and Christian civilization, in particular the tradition of the West's openings to other cultures and now to global civilization.

Students in the major and the concentration in Human Sciences in the Contemporary World study the leading theories and concepts that have been developed by the human and social sciences in the context of the unique core curriculum of the university. They thus will be equipped to understand how the Western and Christian intellectual traditions have shaped these theories and concepts and learn how to apply them to the problems of contemporary societies.

Human Sciences in the Contemporary World provides excellent preparation for careers that demand intellectual independence, research skills and the ability to combine detailed analysis with an integrating vision. The skills and knowledge acquired regarding cultural practices, social structures and forms and aspects of the contemporary world would be highly appropriate for anyone who plans to go into law, government, business, journalism, consulting, or any other field demanding an articulate grasp of human interaction in a globalizing environment (e.g., market research for a major corporation). Students of the B.A. program who are interested

in pursuing graduate degrees will be well prepared for study in the social sciences, many humanities disciplines, law and business.

Basic Requirements for the Concentration

A student electing the Human Sciences in the Contemporary World concentration will take (1) HUSC 3331: Conceptual Foundations of the Human Sciences, and (2) at least three other three-hour HUSC courses, two of which must be numbered 3000 or higher and two of which must be among those required of the major.

Basic Requirements for the Major

The Human Sciences in the Contemporary world major requires a total of 40 course hours, a senior thesis and an oral defense of the thesis.

Twenty-eight hours are specified as follows: (i) twenty-five credit hours in courses designated as Human Sciences in the Contemporary World courses: HUSC 2301 or 2311, 3311, 3312, 3331, 3332, 3341, 4341, 4342 and 4142; and (ii) three hours in statistics: MAT 2305 (Introduction to Statistics) or an equivalent.

Twelve hours are elective, chosen from appropriate Constantin College and undergraduate Business courses as explained in the following paragraph.

Students pursuing the B.A. will formulate a study plan that must be approved by the Chair; the plan must be approved no later than the fifth week of the fall semester of their junior year. The plan will include the specified twenty-eight course hours plus an additional twelve elective credit hours of Constantin College and undergraduate Business courses approved by the Chair. At least nine of these elective hours must be at the 3000-level or higher and at least six of them must be closely related, preferably in a single department. (HUSC Majors are especially encouraged to take courses in recent history.) The twelve elective hours should be chosen with a view toward the required bachelor's thesis, which must reflect significant research on and original analysis of a topic approved by the Chair or the Chair's designee. See the HUSC web site regarding elective courses that will typically be approved.

YEAR I

English 1301	3	Economics 1311	3
History 1311	3	English 1302	3
Language 1301 or 2311	3	History 1312	3
Philosophy 1301	3	Language 1302 or 2312	3
Science	4	Theology 1310	3
	16		15

YEAR II (during Sophomore Year)

HUSC 2301 or 2311	3
English 2311–2312	6
History 2301–2302	6
Language 2311–2312 or Electives	6
Math 2305 (Statistics) or equivalent	3
Philosophy 2323	3
Theology 2311	3
	30

YEAR III

HUSC 3331	3	HUSC 3311 or 3312	3
HUSC 4341	3	HUSC 3332	3
Fine Arts	3	Electives in Major	6
Philosophy 3311	3	HUSC 3341	3
Politics 1311	3		15
	15		

YEAR IV

HUSC 4342	3	HUSC 3312 or 3311	3
Electives in Major	6	HUSC 4142	1
Science	4	Non-major Electives	12
Non-major Elective	3		16
	16		

COURSES IN HUMAN SCIENCES IN THE CONTEMPORARY WORLD

HUSC 2301. The World in the Twenty-First Century. An examination of some of the major currents of contemporary life. Topics such as globalization, development, consumerism and mass society, environments and ecology, communication between cultures, human migration, religion and secularism, terrorism and violence, and modernity and postmodernity. Spring.

HUSC 2311. Introduction to the Social Sciences. The social sciences are the disciplines among the contemporary human sciences that focus on human societies and cultures, in particular institutional structures as they pattern ways of living. Topics treated in this course include basic concepts of the social sciences; research methods; social structure and social power; socialization and identity; class; social institutions (e.g., family, churches, education, healthcare, government and economy); and contemporary social problems (e.g., race and gender discrimination and social stereotyping). Fall.

HUSC 3311. The Arts in Contemporary Cultures. An exploration of the arts in contemporary societies, with focus on topics such as avantgardism, technical innovation and artistic experimentation, the development of mixed media, the technical and aesthetic reorganization of public and private space, the economics of artistic production and consumption, the changing relationship of artist to audience, problems of the relationship of art works to social and natural reality, and the influences of alternative cultural traditions. Spring of odd-numbered years.

HUSC 3312. Science, Technology and Society. A study of the characteristics and growth of the modern sciences, their effects on society and culture and the emergence of technological civilization. Topics such as the nature of scientific research and the application of sciences, big science vs. little science, the limits of scientific and technical knowledge, the political and economic power of science and technology, effects on individual and social ways of life, the rise of technicized industry and mass media, the relations between science, technology and religion, and ethics in science and technology. Spring of even-numbered years.

HUSC 3331. Conceptual Foundations of the Human Sciences. An investigation into the historical emergence and durable legacy of the modern disciplines that aim to scientifically understand human societies and cultures. Includes the reading of authors central to fields like anthropology, sociology, linguistics and social psychology. Topics such as the significance of the concepts 'society' and 'culture', debates about the scientific character of social and human sciences, the differentiation of the various fields of the human sciences and their relations to other disciplines, the fundamental interdisciplinarity of the human sciences, and future prospects for the social, behavioral and human sciences. Fall.

HUSC 3332. Junior Seminar. The Junior Seminar is intended for students who are majoring in HUSC (and, with the Chair's approval, other well prepared and highly motivated students, especially HUSC concentrators). It treats extensively and in depth the design, methods, and conduct of research in the human sciences. Students play

the leading role in conducting the sessions by making presentations and engaging in intensive discussions. The seminar culminates in a proposal for the senior thesis project. HUSC 3331 is prerequisite. Spring.

HUSC 3334. Philosophical Anthropology of the Contemporary World. Since the middle of the twentieth century, the human sciences have increasingly been divided between rigorous empirical work and ambitious “grand theory.” This course will feature a small number of researchers who have addressed the tension between philosophical and scientific ambitions and striven to understand human being and human existence as a synthesis of the biological, cultural, social, psychological, and spiritual. Spring.

HUSC 3V50-3V54, 4V50-4V54. Special Topics in the Human Sciences. Courses offered according to the interest of students and availability of professors.

HUSC 3V57. Human Sciences Internship. A 1-3 credit-hour practicum providing field experiences for students in advanced research methods or service-learning. The internship will result in a significant research paper or related project. The location and terms of the internship require the express agreement of the student, the faculty sponsor, and the Chair, and the availability of field placement. Students must follow all university guidelines for internships. Graded Pass/ No Pass.

HUSC 4341. Tradition and Innovation. The dynamism and transformative power of Western civilization (and any future global civilization that derives from it) is unintelligible without recognizing that the modern West is an outgrowth of classic works and institutions and that these works and institutions have produced an ethos encouraging change. The course considers topics such as the nature of history and tradition; the nineteenth-century emergence of historical/historicist philosophies and the subsequent questioning of tradition’s value; the interplay of tradition, authority and cultural change; the nature and power of what is classic; differences between traditionalism and tradition; negative and dysfunctional traditions (e.g., racism and anti-Semitism); the role of education and the university in transmitting the past and facilitating the future; the challenges to tradition of science and technology; and the difficulties of achieving a fully integrated life in the face of the specialization and destabilization of human work and activities. Fall.

HUSC 4342. Senior Seminar. The Senior Seminar is intended for students who are majoring in HUSC (and, with the Chair’s approval, other well prepared and highly motivated students, especially HUSC concentrators). Seminar will continue the themes, practices, and methods initiated in the HUSC Junior Seminar as students develop their senior research projects by carrying out empirical and theoretical investigation leading to the senior thesis. Students will play the leading role in conducting sessions by making presentations and engaging in intensive discussions of their research methods and results. The research culminates in a major paper, the senior thesis, the writing of which continues into the spring semester. HUSC 3332 is prerequisite. Fall.

HUSC 4142. Senior Thesis. Continuation of Senior Seminar, which is prerequisite. Completion, defense and formal presentation of the senior thesis. Spring.

HUSC 4V61. Directed Readings and Research. Special course of 1-3 credit-hours of reading and research, determined by the express agreement of the student and the professor and approved by the Chair. For advanced students only, as needed

Students of the programs in Human Sciences also take courses in other departments, as approved by the Chair.

Human Sciences in the Contemporary World Concentration

FACULTY

Chair and Professor Sepper; Assistant Professor Pezzia. Associated Faculty: Professors Churchill (Psychology), Kugelmann (Psychology) and Rosemann (Philosophy); Associate Professors Slaughter (Biology) and Sullivan (History); Assistant Professor Freeman (Psychology)

Historically, the human sciences emerged as traditional cultures were turning modern. One of their central concerns has therefore been the problems of negotiating this transition. This makes them indispensable for understanding human existence in the contemporary world.

Accordingly, the concentration in Human Sciences in the Contemporary World has five major goals.

- To understand how the transformations of the contemporary world have both enhanced life and created unprecedented problems;
- To instill a sophisticated appreciation for the contemporary influences, movements, forces and tendencies that are transforming human life and institutions;
- To offer ways of understanding the structures of contemporary societies and the processes of change that they undergo;
- To counteract the divisive force of intellectual overspecialization and compartmentalization;
- To place these matters within the context of the great traditions of Western and Christian civilization, in particular the tradition of the West’s openings to other cultures and now to global civilization.

Concentrators in the program learn to apply the theories and concepts of the human and social sciences to problems of contemporary societies. The skills and knowledge acquired regarding cultural practices, social structures and forms and aspects of the contemporary world are useful for anyone planning to go into law, government, business, journalism, graduate studies in the social sciences, or any other field demanding an articulate grasp of life in a globalizing environment.

A student electing the Human Sciences in the Contemporary World concentration will take (1) HUSC 3331: Conceptual Foundations of the Human Sciences, and (2) at least three other three-hour HUSC courses, two of which must be numbered 3000 or higher and two of which must be among those required of the major.

HUMAN SCIENCES IN THE CONTEMPORARY WORLD COURSES

HUSC 2301. The World in the Twenty-First Century.

HUSC 2311. Introduction to the Social Sciences.

HUSC 3311. The Arts in Contemporary Cultures.

HUSC 3312. Science, Technology and Society.

HUSC 3331. Conceptual Foundations of the Human Sciences.

HUSC 3334. Philosophical Anthropology of the Contemporary World.

HUSC 4341. Tradition and Innovation.

International Studies Concentration

DIRECTOR

Associate Professor Culp

The arena of international affairs is the focus of some of the most significant actions of humankind. Whether those of the trader, the diplomat, or the warrior, these actions can bring poverty, prosperity, peace, war, death, humiliation, or glory to individuals and peoples. All take place in an environment lacking the authoritative rules and restraints often found within states. The International Studies Concentration provides an opportunity for the student to focus his studies on the fascinating and vital aspect of human life.

The concentration is designed particularly for those students majoring in politics, economics, history, or modern language. It may also be taken by students majoring in other disciplines at the university. It provides an excellent foundation for those thinking of careers in the foreign service, international organizations, or international business. It aims above all at leading the student to reflect on the unique nature of the international environment in its political, economic, and historical aspects.

Four courses form the core of the concentration. These courses provide the student a foundation in international relations, diplomatic history and comparative economic systems or international economics. When necessary, the concentration advisor may approve substitutions.

The student also must select at least two *additional* courses relevant to the field from the wide variety of such courses offered within the university.

CORE COURSES

- 1) **POL 3339. International Politics**
- 2a) **ECO 3330. International Economics.**
- 2b) **ECO 4332. Comparative Economic Systems.**
- 3) **HIS 3356. American Diplomatic History I.**
- 4) **HIS 3357. American Diplomatic History II.**

ELECTIVE COURSES:

These courses are illustrative of those which can be taken.

- POL 3325. American Foreign Policy.**
- POL 3336. Comparative Politics.**
- POL 3340. Globalization.**
- ECO 4335. Economic Development.**
- ECO 4344. Western Economic History II.**
- HIS 3314. Modern Europe II.**

Internships

DIRECTOR

J. Janik

Independent Study with Field Experience (Internship) provides an opportunity for students to demonstrate imagination and resourcefulness in their educational growth. The study is intended primarily to enable students to develop skills and knowledge that cannot readily be acquired in the regular college curriculum but that are compatible with the educational mission of the university. In addition, the program may assist students in the assessment of personal commitments and the exploration of potential careers.

Independent Study with Field Experience consists of supervised off-campus educational involvement, such as an internship or related activity, in which there is a designated analytical or intellectual element resulting in an appropriate research paper or related project.

Students who choose to engage in Field Experience must be degree-seeking students with at least sophomore standing and should have achieved at least a 2.5 cumulative grade point average. There should be some indication that a student has done previous work in the area of the study project or that there has been some degree of special preparation. Advanced planning is required and should be completed during the preceding term. To assist in planning, students meet with the Field Experience Coordinator and an appropriate faculty sponsor who serve as advisors. The field experience contract, approved by the coordinator, stipulates the agreement between the student, faculty sponsor and on-site supervisor regarding the character and goals of the project.

During enrollment a course number is assigned by the Registrar indicating variable credit and reflecting the appropriate department. Upon completion, credit is recorded as either Pass or No Pass.

No more than six credit hours of Field Experience may apply toward graduation. Credits count toward general electives and will not count toward a student's major or core requirements unless special permission is granted. When internship credit is pursued during special terms (outside the regular semester), a \$100 transcribing and supervisory fee is charged.

3V57. Independent Study with Field Experience—Internships. Graded Pass/No Pass; **T** grade may be assigned when circumstances warrant.

Jewish Studies Concentration

FACULTY

Co-directors Associate Professor Goodwin and Professor Parens; Professor Wood; Associate Professors Fisher-Smith and Sullivan; Assistant Professor Glicksman

Jewish Studies focuses on theological, philosophical, and historical aspects of Jewish thought and tradition. The concentration also provides opportunities for interacting with the local Jewish community through having local rabbis and Jewish scholars as teachers, as well as potential opportunities for summer archeology in Israel. The concentration involves four departments, theology, philosophy, history, and psychology.

CONTENT AND REQUIREMENTS

The concentration consists in 6 courses (18 credits), two required and four electives from at least two departments (see below). No more than two courses in the concentration may count as requirements toward a major.

Required courses (2):

Theology 1312. Elementary Biblical Hebrew

Theology 4363 OR 4364. Introduction to Judaism

Elective courses (4):

Theology 2313. Intermediate Biblical Hebrew I

Theology 3321. Pentateuch/Mosaic Torah

Theology 3323. Wisdom and Psalms

Philosophy 5381. ST/Maimonides & Spinoza

Theology 4363 OR 4364. (the required course above not taken)

Psychology 3V52-01/His-4357-01. ST/Reflections on the Shoah: Perpetrators, Victims, and Bystanders.

Journalism Concentration

DIRECTOR

R. Bush

The Journalism Concentration provides an opportunity for students to gain an understanding of the role of the media in American society and to receive instruction in the basic skills needed to perform adequately in the field. Publications, businesses and graduate schools seek liberal arts graduates with a background in the theory and practice of journalism.

The *required curriculum* includes six courses: Survey of Mass Media, Reporting, Ethics or an approved substitution, Internship and six credits of advanced electives in Journalism. Journalism Practicum is not required but is an excellent experience for the Concentration student. It may be repeated three times for credit. Typing/Word processing skills are required in Journalism courses.

COURSES IN CONCENTRATION

1109. Journalism Practicum. An opportunity for students to gain experience working on a publication. The one-credit course involves weekly meetings, contribution to the newspaper or yearbook and preparation of a portfolio of completed work. Photographers, reporters, advertising designers, writers, editors, artists, production/layout workers and desktop publishers are needed. May be repeated three times for credit. Fall and Spring. Graded Pass/No Pass.

1301. Survey of Mass Media. Examination of the role of mass media in modern society, including a study of communication theory, history, operation and structure of each medium in the American communication system. Discussion of influences of media on society and the interrelationship of the media. Spring.

2301. Reporting. Introduction to fundamentals of news gathering and writing for the print media. Emphasis placed on practical application—learning newspaper style, conducting interviews, building reporting skills, developing clarity in writing. Includes writing news stories, editorials, features, in-depth or investigative and entertainment for University News as laboratory experience. Fall.

3301. Editing. Emphasis on writing quality. Handling copy from its inception as an assignment to the printed page, with special study of style, word usage, layout, headline writing and use of computer as a standard tool of the trade. Includes writing and editing assignments for University News as laboratory experience. Spring, alternate years.

3358. History of American Journalism. Survey of American journalism from colonial times to the present, emphasizing the role the media have played in the economic, political and social development of the nation and changes in the media during this development. Fall, alternate years.

3368. Feature Writing. Emphasis on research and writing non-fiction features for print media. Includes information on techniques of research, study and analysis of newspaper and magazine features, study of unique characteristics of feature writing and practical application of principles studied. Spring, alternate years.

3V50. Special Topics. Graded Course.

3V57. Field Experience. Students may earn up to six credits for journalism internships. Credit approval for all journalism internships must be pre-arranged with the Journalism Concentration director. Graded Pass/No Pass. As individually arranged.

PHI 4336. Ethics. Systematic treatment of ethics and morality with an overview of major ethical theories. Treatment of topics such as the nature and categories of human motivation; the nature of values and moral values; dimensions of human freedom; human acts as bearers of morality; sources of forms of moral goodness, moral evil and moral obligation; evaluations of major theories; specific nature of Christian ethics. Fall. Occasional substitutions may be approved.

Language Concentration

COORDINATOR

Associate Professor Maddux

CONCENTRATION IN LANGUAGES

A Concentration in French, German, Italian or Spanish consists of four courses (twelve credits) in a single language / literature at the advanced level (3000 or above).

For one of the four courses it is possible to substitute

- a) an advanced course in a second language / literature;
- b) two lower-division courses in a second language / literature;
- c) an advanced course in a disciplinary approach to language in general. For this purpose, the following courses are acceptable:

EDU 5354. Language Acquisition/Linguistics.

MCT 3330. Historical Linguistics.

PHI 4335. Philosophy of Language.

PSY 3334. Psychology of Language and Expression.

For any other substitutions, the approval of the coordinator is needed.

A Concentration in Latin or Greek is the same as above, except that in option b) above the second language must be another classical language.

A Concentration in Language is composed of four upper-division courses, two in one language / literature, two in another.

A Concentration in Classics is composed of four upper-division courses in two different classical languages. It cannot be combined with a Classics Major.

The student wishing to concentrate in a language should consult with the coordinator no later than the Junior year and declare the concentration in the Registrar's Office.

CONCENTRATION IN AREA STUDIES

For students who wish to focus on the culture and history of a country or language group, it is possible to pursue a Concentration in Area Studies. Students complete three upper-division courses in one language/literature, plus two related courses (in history, art, economics, etcetera). Planning is particularly important for this concentration, since related course offerings for a given country are limited. An Area Studies Concentration is possible in Classics, French, German, Italian and Spanish. *For further details about language concentrations, visit the university website.*

Legal Studies Concentration

ADVISOR

Associate Professor Upham

A broad liberal arts background, such as that offered in Constantin College, provides solid preparation for success in Law School. By supplementing this background with opportunities to sharpen oral skills through participation in Moot Court and to focus on applications of the law in wider contexts, the Legal Studies Concentration allows interested students to deepen their understanding of the Legal Profession.

Requirements for the Concentration:

17-18 credits, to include:

POL 3323. Constitutional Law.

POL 3324. Public Policy.

OR **POL 3330. Public Law and Administration.**

POL 3327. Civil Liberties.

ECO 4340. Law & Economics.

And one of the following:

PHI 5311. Philosophy of Law.

BUS 2340. Legal Environment. or a substitute approved by the Pre-Law Advisor

And participation for credit in at least two semesters of **GST 1122: Moot Court**, or completion of an internship appropriate for legal studies. Such internships must be approved in advance by the Pre-Law Advisor, must be for credit and must follow the process specified in the catalog for receiving academic credit.

Regular consultation with the university's Pre-Law Advisor.

Membership and regular activity in the university's Pre-Law Society.

Mathematics

FACULTY

Chair and Assistant Professor Osoinach; Associate Professor Phillips; Assistant Professors Andrews and Hochberg; Affiliate Instructor Schichl

The discipline of mathematics is defined as much by its methodology as it is by its content. Indeed, it is this methodology which unifies the different areas of mathematics. The Department of Mathematics seeks to involve students at all levels in the thoughts and methods of mathematics in a creative, lively way.

The courses in the Department are organized around three related areas: the core curriculum, service to other disciplines and the major in mathematics.

THE CORE REQUIREMENT

Much of mathematics has its roots in science, but the spirit of mathematical inquiry is not bound to any specific area. Mathematics is an important discipline for every educated person.

All students at the university are therefore required to study some mathematics. The goal of the requirement is to strengthen the student's imaginative and deductive powers through the discipline imposed by rigorous mathematical thinking. The precise use of language and logic characteristic of mathematics is developed in the courses which meet the core requirement.

There are several classes from which the student may choose, each dealing with profound ideas that play an important part in our culture. These courses can be categorized into three main types.

- The courses in Euclidean and Non-Euclidean Geometry and Linear Point Set Theory are designed explicitly to engage the student in the precision of mathematical reasoning. There is little or no specific material that must be mastered before taking on these classes, although Linear Point Set Theory requires "mathematical maturity" which can be demonstrated through course work.
- Introduction to Statistics provides a background in statistical reasoning and methodology that is needed for efficient citizenship, as well as for specific use in the fields of Biology, Business, Economics, Psychology and the health professions.
- The main Calculus sequence, Calculus I, II and III, provides an exploration of one of the most useful parts of mathematics. However, these courses do require a broader background in mathematical computation, particularly in algebra and trigonometry. Some students who wish to take one of these courses will have to prepare by taking Precalculus at the college level.

SERVICE TO OTHER DISCIPLINES

Mathematics and the sciences have cross-fertilized each other for centuries. Physics, biology, chemistry and economics all draw on mathematical ideas and techniques. The calculus sequence is the primary avenue for learning these ideas. The knowledge of computation learned in the computer science courses can be applied in other disciplines where the computer can be used as a powerful tool for scientific investigation. Many mathematical concepts grew out of problems in science and the content of a number of upper-level courses reflects this relationship.

THE MAJOR

The purpose of the major is to immerse students in the content and methodology of mathematics as it is practiced by active mathematicians. The basic requirements in the major introduce the central ideas of the discipline. Electives within the major permit students to pursue further areas of special interest.

The course in Linear Point Set Theory is an important bridge into the major. In it students begin the immersion into the mathematical process and the foundation is built for later work in Algebra, Analysis, Topology and other courses. Linear Point Set Theory, along with Abstract Algebra and Analysis, highlight methods of proof, raising and settling of questions, developing precise definitions of concepts and thinking and writing concisely in mathematical terms. Students who immerse themselves in these mathematical ideas are able to approach the other courses in the major with the perspective of the working mathematician.

Mathematical concepts have a profound influence on the world outside of mathematics. Equally important, the world external to mathematics has helped shape the discipline. It is important for majors to experience this interaction and to see the power and limitations of mathematics. Courses such as Calculus I, II and III, Linear Algebra, Differential Equations, Probability, Statistics, Numerical Analysis and Introduction to Computer Science as well as the Physics requirement aid in the development of this perspective.

A major in mathematics opens many doors. Majors go on to graduate work in such fields as mathematics, computer science, statistics, physics, economics, or biology. They pursue careers in business, actuarial science, linguistics, medicine, law and teaching. Most importantly, the major allows the budding mathematician to see the world in a creative, beautiful and profound way.

ADVISING

All students are urged to seek advice from the Department concerning selection of courses and placement. A placement exam is required of students wishing to enroll in 1000- or 2000-level courses except 1301 and 2305. Students considering a major in mathematics should consult with the Department as soon as possible. A faculty member can suggest courses that may help students make a decision.

Each major has a faculty advisor in the Department. Students and the advisors will have an introductory conference to talk about the program and to discuss aims and goals. At the beginning of the junior year, students and advisors meet to take stock of how students are doing and where they are going. Advisors assist the students in course selection and post-graduate plans. It is imperative that all those who intend to major in mathematics contact the Department for counseling at least once each semester before preregistration.

BASIC REQUIREMENTS FOR MAJOR

B.A.: Mathematics 1404, 1411, 2412, 3159, 3310, 3321, 4332, 4341, 4333 or 4342, one of 3324, 3326, 3338 or 4315; three mathematics or computer science credits at any level; six mathematics or computer science credits in courses numbered 3000 or above (a total of six computer science hours may count toward the mathematics major); and Physics 2311–2111 and 2312–2112. Participation in 2107, 3107, 3190, and 3V50 as often as it is offered is encouraged. Mathematics majors should go to Rome in the spring of the sophomore year.

B.S.: Twelve additional advanced hours in mathematics are required, including 4315; 4333 or 4342, excluding the choice for the B.A.; and 4V43.

COMPREHENSIVE EXAMINATION

A comprehensive exam is required of all majors in their final year. It is administered by the mathematics faculty and covers all required courses for the B.A. or B.S. degree. The exam is offered once in the fall semester and twice in the spring semester.

Suggested Sequence of Courses for Mathematics Major

YEAR I

Physics 2311	3	Physics 2312	3
Physics 2111	1	Physics 2112	1
English 1301	3	English 1302	3
Language 2311	3	Language 2312	3
Mathematics 1404	4	Mathematics 1411	4
Philosophy 1301	<u>3</u>	Computer Science 2410	<u>4</u>
	17	(or Elective)	18

YEAR II

English 2312	3	(Rome)	
Mathematics 2412	4	English 2311	3
Mathematics 3321	3	History 2301	3
Economics 1311	3	Theology 2311	3
Theology 1310	<u>3</u>	Philosophy 2323	3
	16	Art 2311	<u>3</u>
			15

YEAR III

Mathematics 3310	3	Mathematics Elective	3
Mathematics 4341 or 4332	3	Mathematics 4342 or 4333	3
History 1311	3	Philosophy 3311	3
Life Science	3	History 1312	3
Mathematics 3159	<u>1</u>	Elective	<u>3</u>
	13		15

YEAR IV

Mathematics 4332 or 4341	3	Mathematics Elective	3
Mathematics Elective	3	Electives	<u>9</u>
Politics 1311	3		12
History 2302	3		
Elective	<u>3</u>		
	15		

COURSES IN MATHEMATICS

1301. Euclidean and Non-Euclidean Geometries. Development of the mathematical way of thinking through firsthand experience. Emphasis on the student's strengthening of his or her imagination, deductive powers and ability to use language precisely and efficiently. Study of Euclid's geometry; Hilbert's axioms; neutral geometry; hyperbolic geometry (non-Euclidean geometry of Gauss, Bolyai, Lobachevsky); the axiomatic method; and consistency, independence and completeness of axiom systems. Historical perspective and philosophical implications are included. Students must prove a significant number of theorems on their own. Fall and Spring.

1303. Precalculus. Advanced Algebra and Trigonometry needed for Calculus. Solving equations and inequalities; polynomials; functions; trigonometry on the unit circle; parametric and polar coordinates; conic sections; arithmetic and geometric sequences; math induction. Prerequisite: successful placement in algebra. Fall.

1404. Calculus I. Limits, derivatives, applications of derivatives, integration, logarithmic and exponential functions. Prerequisite: Grade of C (2.0) or better in Mathematics 1303, or satisfactory placement. Fall and Spring.

1411. Calculus II. L'Hôpital's Rule, inverse trigonometric and hyperbolic functions, methods of integration, analytic geometry, applications of integrals, sequences and series. Prerequisite: Grade of C (2.0) or better in Mathematics 1404, or satisfactory placement. Fall and Spring.

2107. Mathematics Colloquium. A forum for exposing students to the rich and deep areas of mathematics and its applications not normally seen in the first two years of undergraduate studies. Oral presentations are selected for their interest and accessibility. Speakers include faculty members, visiting lecturers and students. Highly recommended for majors. Visitors are welcome. Public announcements of speakers will be made. Graded Pass/No Pass. May be repeated. Fall and Spring.

2304. Discrete Mathematics. Introduction to the mathematical foundation of computer science with two co-equal components: a study of combinatorics and graph theory including topics from the theory of computer science and a development of the imagination and analytical skills required in mathematics and computing science. Students are required to do proofs. Prerequisite: MCS 1410. Offered as needed.

2305. Introduction to Statistics. Statistics may be broadly defined as the science of making rational decisions in the face of quantifiable uncertainty. Emphasis on a deep understanding of the fundamental elements of so-called "statistical thinking", including randomness, uncertainty, modeling and decision processes. The superstructure of statistical methodology, including hypothesis testing, inference and estimation, using the logical methods of mathematics. A significant amount of instruction is computer-based. Prerequisite: Successful demonstration of abilities in algebra. Fall and Spring.

2412. Calculus III. Vectors, vector calculus, functions of several variables, multiple integrals. Prerequisite: Grade of C (2.0) or better in Mathematics 1411, or satisfactory placement. Fall.

3107. Mathematics Colloquium. This course is similar to 2107 except that extra work is required to earn junior-level credit. Each student is expected to write a paper and present a talk based on it in addition to fulfilling the other requirements. Graded Pass/No Pass. May be repeated. Fall and Spring.

3159. Junior Workshop. Designed to improve the student's ability to "do math at the board" and to encourage a willingness to engage mathematical problems creatively. Emphasis is on generating ideas for solving problems and then testing those ideas to see if they bear fruit. Problems given are often open-ended and may lack a published solution so as to encourage creative approaches. Fall.

3190. Problem Solving. Presentation of many problem-solving techniques not typically found in other mathematics courses. Emphasis is on problems from competitions, but the techniques have broad application for creatively thinking through many sorts of problems. Problems are drawn from many different fields of mathematics, yet very accessible to any student with an interest in math. Prerequisite: MAT 1404 or consent of instructor. Fall. Repeatable for credit.

3310. Linear Algebra. Geometry of \mathbb{R}^2 and \mathbb{R}^3 including the dot product and parametric equations of lines and planes. Systems of linear equations, matrices, determinants, vector spaces and linear transformations. Applications to the sciences and economics are included. Prerequisite: Mathematics 1411 or consent of instructor. Fall.

3320. Foundations of Geometry. A systematic development of topics selected from metric and nonmetric geometries, comparison of postulate systems. Prerequisite: Mathematics 1411 or consent of instructor. Offered as needed.

3321. Linear Point Set Theory. Limit points, convergent sequences, compact sets, connected sets, dense sets, nowhere dense sets, separable sets. Prerequisite: Consent of Chairman. Fall.

3322. History and Philosophy of Mathematics. The history of the development of mathematics, the lives and ideas of noted mathematicians. Prerequisite: Consent of instructor. Offered as needed.

3324. Differential Equations. First order equations, existence and uniqueness of solutions, differential equations of higher order, Laplace transforms, systems of differential equations. Prerequisite: Mathematics 1411 or consent of instructor. Fall, even years.

3326. Probability. Axioms and basic properties, random variables, univariate probability functions and density functions, moments, standard distributions, Law of Large Numbers and Central Limit Theorem. Prerequisite: Mathematics 1411. Fall, odd years.

3327. Statistics. Sampling, tests of hypotheses, estimation, linear models and regression. Prerequisite: Mathematics 3326. Spring, even years.

3331. Number Theory. A study of the properties of the integers. Topics include divisibility and primes, congruences, Euler's Theorem, primitive roots and quadratic reciprocity. Prerequisite: Mathematics 3321 or consent of instructor. Spring, even years.

3338. Numerical Analysis. Zeros of polynomials, difference equations, systems of equations, numerical differentiation and integration, numerical solution of differential equations, eigenvalues and eigenvectors. Prerequisite: Mathematics 3310 and knowledge of a programming language. Offered as needed.

3V50. Special Topics. Gives the student an opportunity to pursue special studies not otherwise offered. Topics have included chaos, fractals, cellular automata, surreal numbers and dynamical systems. May be repeated for credit. Prerequisite: consent of instructor.

4314. Advanced Multivariable Analysis. Continuous and differential functions from \mathbb{R}^m into \mathbb{R}^n , integration, differential forms, Stokes's theorem. Prerequisite: Mathematics 2412 and 3310, or consent of instructor. Offered as needed.

4315. Applied Mathematics. Symmetric linear systems, equilibrium equations of the discrete and continuous cases, Fourier series, complex analysis and initial value problems. Prerequisites: Mathematics 2412. Spring, odd years.

4332–4333. Abstract Algebra I, II. Group theory, ring theory including ideals, integral domains and polynomial rings, field theory including Galois theory, field extensions and splitting fields, module theory. Prerequisite: Mathematics 3310, 3321 and junior standing, or consent of instructor. Fall, even years (I); Spring, odd years (II).

4334. Topology. Topological spaces, connectedness, compactness, continuity, separation, metric spaces, complete metric spaces, product spaces. Prerequisite: Mathematics 3321 or consent of instructor. Spring, odd years.

4341–4342. Analysis I, II. Real number system, topological concepts, continuity, differentiation, the Stieltjes integral, convergence, uniform convergence, sequences and series of functions, bounded variation. Prerequisite: Mathematics 1411 and 3321 or consent of instructor. Fall, odd years (I); Spring, even years (II).

4V43–4V44. Research. Under the supervision of a member of the faculty, the student involves himself or herself in the investigation and/or creation of some areas of mathematics. The research should be original to the student. A paper is required. Prerequisite: junior or senior standing.

4V61. Independent Studies. An opportunity for the student to examine in depth any topic within the field under the guidance of the instructor. For advanced students.

Mathematics Concentrations

DIRECTOR

Assistant Professor Andrews

I. APPLIED MATHEMATICS CONCENTRATION

Philosophy

Much of the history and philosophy of Applied Mathematics can be summarized by a quote from the preface to *The Functions of Mathematical Physics* by Harry Hochstadt, "The topics covered... were first studied by the outstanding mathematicians of the eighteenth and nineteenth centuries. Among the many who devoted themselves to these studies are Gauss, Euler, Fourier, Legendre and Bessel. These men did not recognize the modern and somewhat artificial distinction between pure and applied mathematics. Much of their work was stimulated by physical problems that led to the studies of differential equations. Frequently they developed generalizations to obtain results having no immediate or obvious applications. As a consequence mathematics was often ahead of its time having tools ready before physicists and engineers felt the need for them." The concentration reflects this historic interplay by presenting topics of obvious interest to applied scientists as well as being of purely mathematical interest.

The concept of transformations plays a central role in Applied Mathematics. Partial differential equations are transformed into ordinary differential equations. Ordinary differential equations are transformed in algebraic equations. And algebraic systems are transformed into simple algebraic systems. Thus, one can understand why Linear Algebra plays a fundamental role in the concentration.

Content

The concentration consists of five courses. The core of the Applied Mathematics Concentration is made up of the three courses: Calculus III (MAT 2412), Linear Algebra (MAT 3310) and Applied Mathematics (MAT 4315). Fundamental to modern applied mathematics is the study of structures known as vector spaces and the linear operators on those spaces. Students are introduced to these concepts in Linear Algebra. These ideas are expanded in Calculus III where the linearity and multidimensionality introduced in Linear Algebra are combined with the infinite processes of calculus. These concepts continue to be drawn together in Applied Mathematics, where the analogy is completed between discrete problems, continuous one-dimensional problems and continuous multidimensional problems.

The fourth course is an applied mathematics elective such as Differential Equations (MAT 3324), Probability (MAT 3326), Statistics (MAT 3327), Numerical Analysis (MAT 3338), or a Computer Science course approved by the director.

The fifth course is an elective from a field other than Mathematics. This allows the student to tailor the concentration to his or her own interests and reinforces the concentration's interdisciplinary nature. Possible choices include:

CHE 3331. Physical Chemistry I.

ECO 3327. Statistical Theory and Methods.

ECO 3328. Business and Economic Forecasting.

PHI 4333. Philosophy of Science.

PHY 3341. Optics.

PHY 3363. Computational Physics.

PHY 4327. Electromagnetic Theory.

PHY 4423. Theoretical Mechanics.

PHY 4424. Quantum Mechanics.

PSY 3337. Statistical Methods.

Other electives as approved by the department.

II. PURE MATHEMATICS CONCENTRATION

The concentration provides a coherent set of courses for students interested in mathematics, short of a major, in areas distinct from those of Applied Mathematics.

The concentration consists of five mathematics classes (fifteen credits): Math 3310 (Linear Algebra), Math 3321 (Linear Point Set Theory); two of Math 4332 (Abstract Algebra I), Math 4334 (Topology), or Math 4341 (Analysis I); and a fifth class, selected from the following list:

MAT 3320. Foundations of Geometry.

MAT 3322. History and Philosophy of Mathematics.

MAT 3331. Number Theory.

MAT 4332. Abstract Algebra I

OR **MAT 4333. Abstract Algebra II.**

MAT 4334. Topology.

MAT 4341. Analysis I.

OR **4342. Analysis II.**

MAT 4V43/4V44. Research Hours.

Courses as approved by the department.

Medieval Renaissance Studies & Christian Contemplative Tradition

FACULTY

Director and Associate Professor Maddux; Associate Professors Jodziewicz, Rosemann and Swietek

THE CENTER FOR CONTEMPLATIVE STUDIES

The Center for Contemplative Studies seeks to promote interest in the rich spiritual tradition of the Christian West, in the belief that this tradition is central to our common intellectual heritage. Through the study of significant texts and movements, it aims at a better understanding of the nature of spirituality itself, the unfolding of Christian spirituality in the West and the role spirituality has played in the development of Western culture and thought.

The Center's interests lead it beyond narrow disciplinary perspectives. It not only welcomes, but requires, the varied approaches of the historian, the literary critic, the philosopher, the theologian. Indeed, the Center wishes to be an interdisciplinary forum for all those who study the history of spirituality. In addition, while it emphasizes the Western tradition of spirituality, it recognizes the importance of viewing this tradition within the largest possible human and religious perspectives.

The Center sponsors the two concentrations: **Christian Contemplative Tradition** and **Medieval and Renaissance Studies**. In addition, it sponsors colloquia, mini-courses, weekend seminars and lectures by visiting professors and members of the university faculty. These activities are intended to illuminate the authors and texts of the spiritual tradition from as wide a variety of scholarly perspectives as possible.

REQUIREMENTS OF BOTH CONCENTRATIONS

The student should declare his or her intention to concentrate by coming to speak to the director no later than the first semester of the Junior year. No more than two courses may count toward both the concentration and the major. Substitutions in the concentrations must have the written approval of the Director. If a student wishes to concentrate in *both* Medieval and Renaissance Studies and Christian Contemplative Tradition, no overlap will be allowed in the courses required for either concentration. Doing both concentrations requires 30 hours of course work.

MEDIEVAL AND RENAISSANCE STUDIES CONCENTRATION

If the period commonly referred to as the Renaissance marks the beginning of the Early Modern period in European history, it nonetheless exists in profound continuity with the Middle Ages. The two periods share common theses, issues, auctores and institutions and participate in a common enterprise: for they both attempt to forge a union out of the impressive remnants of ancient, but pagan, civilization and the living traditions of thought and piety associated with biblical (Jewish and Christian) religion. Even when the Renaissance writers do distance themselves from late medieval practices and thinking, often enough what they are doing is reviving the spirit and language of an earlier Middle Ages in preference to more recent developments. Hence the appropriateness of combining the study of the Renaissance with that of the Middle Ages in a single concentration. Concentrators are free, of course, to emphasize one period more than the other if they choose.

Through a consortium agreement with Southern Methodist University and the University of Texas at Dallas, it is possible for students pursuing the concentration to take courses in medieval subjects not usually offered here but available at the other institutions, with the approval of the Director of the Center.

The concentration requires the completion of six three-credit upper-division courses, in four different fields, from the list below or otherwise approved by the Director and distributed according to the following principles:

- 1) History (two courses)
- 2) English, Modern Languages or Classics.
- 3) Philosophy or Theology.
- 4) A fifth course other than History and other than the fields chosen in #2 and #3.
- 5) A sixth course, in any field.

Approved Medieval-Renaissance Courses:

ART 5356. Italian Renaissance Art 1300–1600.

ART 5365. Medieval Art.

ART 5367. Northern Renaissance 1400–1550.

DRA 3335. Theater Literature I.

ECO 4343. Western Economic History I.

ENG 3323. Medieval Literature.

ENG 4359. Shakespeare.

ENG 4370. Dante.

ENG 5312. The English Renaissance.

ENG 5320. Arthurian Romance.

CLL 3334. Augustine.

CLL 3335. Medieval Latin Readings.

MFR 3322. Medieval and Renaissance Literature.

MFR 5V50. Old French.

MGE 3321. German Literary Tradition I.

MFR 5V50. Old Occitan.

MSP 3320. Spanish Literary Tradition I.

MSP 3327. Golden Age Drama/Poetry.

MSP 3328. Golden Age Novel.

MSP 3338. Medieval Literature in Spain.

MSP 3340. History of Medieval Spain.

MSP 3341. History of Habsburg Spain.

HIS 3307. Medieval Europe I.

HIS 3308. Medieval Europe II.

HIS 3309. Topics in Medieval History.

HIS 3310. The Renaissance.

HIS 3311. The Reformation.

HIS 3312. Topics in Renaissance and Reformation.

HIS 3321. History of England I.

HIS 3323. History of France I.

HIS 3325. History of Germany I.

HIS 3327. The History of Ireland.

HIS 3328. The History of Spain I.

HIS 3337. Constitutional History of Medieval England.

PHI 3326. Medieval Philosophy.

PHI 5358. Scholastic Tradition.

POL 3312. Morality & Politics.

POL 3333. Political Philosophy in the Middle Ages.

THE 4311. Theology of Thomas Aquinas.

THE 5311. Church History I.

THE 5315. Patristic & Byz. Theo.

THE 5316. Medieval & Mod. Theo.

CHRISTIAN CONTEMPLATIVE TRADITION CONCENTRATION

The concentration consists of four courses (twelve hours) approved by the Director. Of these, two must belong to the cycle of courses dealing with the history of spirituality, i.e., Patristic Theology and Spirituality, Medieval Spirituality and Modern Spirituality. Descriptions follow. Courses are offered in a three-year cycle.

Patristic Theology and Spirituality. (The 5315 Patristic and Byzantine Theology) History of Christian doctrines from apostolic times to the end of the Patristic period in the West and into the Byzantine period in the East, with special attention paid to the interconnection between early Christian doctrine and spirituality. Authors studied may include: Origen, Evagrius, Athanasius, Gregory of Nazianzus, Gregory of Nyssa, Denys the Areopagite, Maximus the Confessor, Ambrose, Augustine. Prerequisite: Theology 2311, Western Theological Tradition.

Medieval Spirituality. Deals with monastic spirituality, pastoral spirituality, the spirituality of the friars and late Medieval spirituality. Authors studied may include: Benedict of Nursia, Gregory the Great, Bernard of Clairvaux, William of St. Thierry, Aelred of Rievaulx, Richard of St. Victor, Francis of Assisi, Clare, Bonaventure, Jordan of Saxony, Humbert of Romans, Eckhart, Catherine of Siena, Walter Hilton, Ruusbroec, Nicholas of Cusa, Thomas à Kempis.

Modern Spirituality. Close reading of major texts showing the development of the contemplative tradition from the sixteenth through the twentieth century. Authors studied may include: Thomas More, Luther, Calvin, Ignatius of Loyola, Teresa of Avila, John of the Cross, Francis de Sales, Bérulle, Pascal, Spenser, Wesley, Newman, Thérèse of Lisieux, Merton.

Modern Languages and Literatures

FACULTY

Chair and Associate Professor J. Eidt; Professor Wilhelmsen; Associate Professors Maddux and Pérez-Bernardo; Assistant Professors Borja, Espericueta and Lewallen; Affiliate Assistant Professor L. Eidt; Affiliate Instructors Forte, Lasswell, Rodriguez and Seidler

The university offers the study of four modern languages (French, German, Italian and Spanish) as well as a major in Comparative Literary Traditions. One-semester courses in other languages are occasionally available.

Learning a second language provides not only a practical skill in communicating with others but also a viewpoint from which to observe the phenomenon of language itself. At the same time, it gives one access to the mental and psychological dimensions of cultural traditions and peoples other than one's own. Exploring how others express themselves yields insights into patterns of thinking and behaving. Now that communication worldwide has become almost instantaneous, the ability to understand these dimensions and patterns is more important than ever before.

MODERN LANGUAGES IN THE CORE

The Modern Languages Department contributes to the Core curriculum by providing language instruction for all students on the first- and second-year levels. Courses on the first-year level are offered to accommodate those students who have pursued no second-language studies previously or who wish to fulfill the language requirement by learning a language different from the one studied before coming to the university. The Core requirement may be fulfilled by a passing grade at the Second-Year II level or higher.

In the first semester of the second-year level, students continue developing skills begun at the first-year stage (listening, speaking, reading and writing), while studying more difficult grammar concepts and extending vocabulary. In the second semester, they gain insights into the world view of the culture whose language they are learning. This introduction to the heritage of another country is achieved through the study of literature, history, art and music.

While credit in courses beyond Second-Year II is not required of non-language majors, advanced courses on the third level are excellent elective choices for students desiring to expand their cultural and historical understanding as well as continue to develop their linguistic abilities at a more sophisticated level or higher.

International Study Opportunities

The university's Rome semester during the sophomore year and/or a special term in Latin America or Spain offer unique opportunities for the student to develop a working proficiency in a modern language.

BASIC REQUIREMENTS

Basic requirements for a major in Modern Languages are 30 credits in upper-division courses in the department and successful completion of the *comprehensive examination* in the senior year. The comprehensive may be attempted only twice in one academic year. Seniors may be invited to undertake a Senior Thesis.

The Department recommends the following electives: Art 1311 and 1312 (History of Art and Architecture), advanced art history courses, History 3313 and 3314 (Modern Europe I and II) and Education 5354 (Introduction to Linguistics). It cooperates with the Education Department in preparing students for secondary school certification in French, German and Spanish.

Suggested Sequence of Courses for Modern Languages and Literatures Major

YEAR I

Art, Drama, Math, Music	3	Art, Drama, Math, Music	3
English 1301	3	English 1302	3
History 1311	3	History 1312	3
Language 2311	3	Language 2312	3
Philosophy 1301	3	Theology 1310	3
	15		15

YEAR II (during Sophomore Year)

English 2311–2312	6
History 2301–2302	6
Philosophy 2323	3
Theology 2311	3
Politics 1311	3
Art, Drama, Math, Music	3
Major Language	6
	30

YEAR III

Major Language	6	Major Language	6
Philosophy 3311	3	Economics 1311	3
Science	3	Science	3
Elective	3	Elective (or required course)	3
	15		15

YEAR IV

Major Language	6	Major Language	3
Philosophy Elective	3	Senior Thesis (or required course)	3
Electives	6	Electives	9
	15		15

THE FRENCH PROGRAM

Basic Requirements

Thirty advanced credits (10 courses) in all, made up of:

- 1) The 6-course French Language-and-Literature Unit, consisting of: Reading & Expression 3310; Advanced Communication 3311, 12, or 13; French Literary Tradition I, II and III (3341, 42 and 43) and Advanced French Grammar (3145, 46 and 47).
- 2) Two focus courses in French (At the 4000-level).
- 3) Two more French focus courses, or (with permission) CLT courses.
- 4) A comprehensive exam, taken early in the Spring semester of the Senior year.

COURSES IN FRENCH

For an explanation of the French course numbering system, see the *Modern Languages – French* pages on the university website.

1301–1302. First-Year French I and II. The foundation for the study of French. Students acquire a basic vocabulary and an understanding of fundamental linguistic structures. Fall and Spring.

2311. Second-Year French I. Review and further study of grammar, together with intensive oral and written practice. Study of selected aspects of French culture. The class consists of three contact hours per week. Fall.

2312. Second-Year French II. Study of the periods and monuments of French culture, emphasizing particularly moments of French cultural greatness with which modern American undergraduates are unlikely to be familiar. Extensive work in reading, writing and speaking French. Spring.

3310. Reading and Expression in French. Intensive practice in reading and writing French. Prerequisite: MFR 2312 or the equivalent.

3311. Advanced Communication. French Cinema I. Practice in oral French, chiefly through the study of French New Wave cinema. Prerequisite: 2312 or the equivalent.

3312. Advanced Communication. French Cinema II. Practice in oral French, chiefly through the study of classic or contemporary French cinema. Prerequisite: 2312 or the equivalent.

3313. Advanced Communication: Contemporary France. Practice in oral French, emphasizing contemporary issues. Prerequisite: 2312 or the equivalent.

3120. Studio Drama. Participation in a French-language theatrical production. May be repeated. Offered frequently, usually in Spring. Graded Pass/No Pass.

3145. Advanced French Grammar I. The first of three one-credit courses; French majors are expected to take all three. Designed to ensure a solid grammatical foundation necessary for further progress in the language. It is a refinement and an extension of knowledge already acquired rather than a simple review.

3146. Advanced French Grammar II.

3147. Advanced French Grammar III.

3330. Historical Linguistics. Designed for language majors, but open to all students. An introduction to modern approaches to the study of language, culminating in an inquiry into the origins, historical development and kinship of Indo-European languages. Every other year.

3331. Applied Linguistics. Introduction to Foreign Language Pedagogy. Introduction to the methods for teaching foreign languages at the secondary and university levels focusing on theory as well as practice. Includes supervised teaching units in UD Modern Language courses.

3341. French Literary Tradition I. Introduction to the key texts of the French literary tradition and to the techniques of textual analysis in a modern language. An overview of the genres, movements and chronological development of French literature with a focus on texts from La Chanson de Roland to the works of Montaigne.

3342. French Literary Tradition II. The continuation of 3341: 17th and 18th centuries.

3343. French Literary Tradition III. Continuation of 3342: 19th and 20th centuries.

3V32. French Outreach Teaching Practicum. Supervised foreign language teaching in cooperation with local area schools and home school associations. 1-3 credits. Graded course.

3V50–5V50. Special Topics in French. Courses offered as needed, focusing on particular authors, periods, or genres.

3V57. French Internship. A 1-3 credit practicum undertaken with the approval of the program director involving off-campus educational involvement, such as an internship or related activity, in which there is a designated analytical or intellectual element resulting in an appropriate research paper or related project. Students should follow guidelines for internships. Graded Pass / No Pass. Can be taken for up to three credits.

4310. Studies in French Authors (SFA). Detailed Study of the entire oeuvre of one or more major authors.

4320. Studies in French Narrative (SFN).

4321. Studies in French Poetry (SFP).

4323. Studies in French Drama (SFD).

4340. Studies in a French Period or Movement (SFM).

4346. Symbolist Poetry: Baudelaire and His Aftermath. A study of modern French poetry and poetic theory from Baudelaire into the 20th century, with special emphasis on the Symbolist tradition: Baudelaire, Mallarmé, Verlaine, Rimbaud, Valéry.

4349. Senior Honors Thesis. Exceptionally qualified senior majors are invited, as one of their major elective courses, to spend an entire semester researching and writing a thesis on a worthwhile topic, under the direction of one of their professors.

4V51. Independent Research.

4359. French Thought & Culture after 1945. High points of the French intellectual scene since the Second World War.

4V90. Studies in French Cinema (SFC).

MCTF COURSES

(Course descriptions listed under Comparative Literary Traditions.)

3305. Introduction to French Literature.

3V50–5V50. Special Topics.

4310. Special Topics/Studies in French Authors.

5311–5312. French for Reading Knowledge I and II.

5315. Introduction to Old French.

5316. Topics in Old French.

5317. Introduction to Old Occitan.

THE GERMAN PROGRAM

Basic Requirements

Thirty advanced credits (10 courses) in all.

The major in German allows students to choose from one of three possible tracks or areas of primary focus related to German and German studies. The three

focus areas are: 1) German Literature, 2) German Linguistics (Historical, Applied and Synchronic) and 3) German Intellectual History (*Geistesgeschichte*). The German concentration (four courses beyond the core) consists of a skills course and then at least one course in each of these diverse areas. The German Major has a group of "core" courses, which is identical to the concentration plus one course (5 courses beyond the university's core language requirement). Upon completion of the "German core" students then have the option of pursuing one of the three areas as a primary focus.

- **German Literature:** Offers the Literary Tradition sequence as well as other literature-based courses in the German language.
- **German Linguistics:** Offers course work in the three main areas of foreign language linguistics. These courses offer a meta-discussion of language in the theoretical framework of the field as it currently is practiced in the US.
- **German Cultural History:** Offers a focus on broader areas of German culture and the history of ideas within German culture. This area of study seeks to define a German cultural context for ideas and events in History, Philosophy, Religion, Music, Art and the social sciences. This track, interdisciplinary in nature, incorporates courses offered in other departments, giving students maximum flexibility in defining an area of concentration.

German Concentration. 4 courses beyond Second-Year German II. See Language Concentrations. Advanced German Grammar (MGE3310) is recommended as a part of the German Concentration.

Core Requirements for all German Majors

(5 courses beyond Second-Year – 2 skills, 2 literature, 1 linguistics)

Advanced German Grammar (MGE 3310)

German Conversation and Composition (MGE 3311)

2 courses from among Lit-Trad 1, 2, or 3 (MGE 3341–3343)

Intro to Foreign Language Pedagogy (MGE 3331), History of the German Language (MGE 3333), or German CLT (MCTG) course.

German Studies Tracks to be declared in the junior year.

Track 1 – German Literature

Remaining German Lit-Trad (1, 2, or 3) (MGE 3341–3343)

Two courses from the following: German Novella (MGE 4320) (Readings and course work in German), Wagner (MGE 4346) (Readings and course work in German) and German Drama (MGE 4323) (Internship incorporated into Second-Year II)

Two courses from the following: German Translation (MGE 3334), Advanced Civilization (MGE 4335), or other German CLT (MCTG) course (Readings and course work in German).

Track 2 – German Linguistics

Fifteen credits chosen from among the following courses:

Intro to Linguistics (EDU 5354)

History of German Language (MGE 3333), or Applied Linguistics (Pedagogy) (MGE 3331), or German Outreach (MGE 3V32) (teaching practicum in area schools can be taken for 1-3 credit hours).

Historical Linguistics (MGE 3330)

German Translation (MGE 3334) (same as MCTG 5312 German for Reading Knowledge II), Old English, Old French, or Occitan

Philosophy of Language (PHI 4335) or Psychology of Language (PSY 3334)

Senior Honors Thesis (MGE 4349)

Track 3 – Intellectual History

History Course (History of Germany I, II [HIS 3325 and 3326], or The Reformation [HIS 3311])

One course from the following: Philosophy (The Phenomenological Tradition [PHL 5359], Recent Philosophy [PHL 3328], Politics [Modernity and Post-Modernity [POL 3335]], or Psychology (The Phenomenological Tradition [PSY 3339])

German Lit-Trad 1, 2, or 3 (MGE 3341–3343), Drama (MGE 4323), or Advanced Civilization (MGE 4335)

CLT Elective (Tolkien, Novella, Intro to German Literature) (Readings and course work in German), or Wagner (MGE 4346) (Readings and course work in German)

Comprehensive Examination

In the Spring semester, seniors take oral and written comprehensive exams. A reading list for comprehensives is supplied for preparation. In the written comps, the student addresses three topics from a list of essay topics. The oral exam covers both the written essays and the other topics.

COURSES IN GERMAN

For an explanation of the German course numbering system, see the Modern Languages – German pages on the university website.

1301–1302. First-Year German I and II. Introduction to the German language stressing the four skills: speaking, listening, reading and writing, as well as cultural competence. Noncredit mandatory laboratory component. Fall and Spring.

2311. Second-Year German I. Continues practice in the four skills with an additional focus on more advanced readings and writing strategies. Literary and cultural materials are taken from pre-20th century sources. Fall.

2312. Second-Year German II. Content course focusing on the history and culture of 20th and 21st century Germany. Concentration on skills necessary for analyzing and writing about literature, film, music and the visual arts. Spring.

3310. Advanced German Grammar. Refinement and extension of grammatical skills and structures in reading, writing and speaking moving beyond a simple review of grammar.

3311. Advanced Conversation and Composition. Written and oral communication on an advanced level. Issues in contemporary German society and politics build the focus of the course. Students will practice writing extensively in different genres and give both formal and informal oral presentations.

3312. Introduction to German Studies. Introduction to the tools and techniques of literary analysis and close reading of German language texts. Terminology necessary for the analysis of literature, film, music and the visual arts will be acquired.

3330. Historical Linguistics. Designed for language majors, but open to all students. An introduction to modern approaches to the study of language, culminating in an inquiry into the origins, historical development and kinship of Indo-European languages. Every other year.

3331. Applied Linguistics: Introduction to Foreign Language Pedagogy. Introduction to the methods for teaching foreign languages at the secondary and university levels focusing on theory as well as practice. Includes supervised teaching units in UD Modern Language courses.

3333. History of the German Language. Introduction to the history of the German language, from its Indo-European roots through the present. Examines the historical, social and cultural context that shaped the German language and its dialects.

3334. German Translation. Identical to German for Reading Knowledge II (MCTG 5312). Introduction to issues in translation of challenging authentic texts. Focus is on the translation of representative texts relevant to a wide array of academic disciplines. Including: Literature (poetry, prose and criticism), Philosophy, History, Theology, Politics and scholarly academic writing in select contemporary journals.

3341. German Literary Tradition I. A chronological survey of German literature from around 800 to approximately 1800. Significant works from the Middle Ages, Reformation, Baroque, Enlightenment and Sturm und Drang are discussed. Emphasis is placed on the tools of analysis specific to German literary studies.

3342. German Literary Tradition II. A continuation of the survey of German literature from the Classicism to the rise of the Third Reich.

3343. German Literary Tradition III. A continuation of the survey of German Literature from the Nazi dictatorship to the present.

3V32. German Outreach Teaching Practicum. Introduction to teaching foreign languages to children, as well as the opportunity to put the student's skills to immediate practice by teaching children at Holy Family School or Redeemer Montessori School. May be taken for 1, 2, or 3 credit hours. Graded course.

3V50–5V50. Special Topics in German. Courses offered as needed, focusing on particular authors, periods and genres.

3V57. German Internship. A 1-3 credit practicum undertaken with the approval of the program director involving off-campus educational involvement, such as an internship or related activity, in which there is a designated analytical or intellectual element resulting in an appropriate research paper or related project. Students should follow guidelines for internships. Graded Pass / No Pass. Can be taken for up to three credits.

4320. The German Novella from Goethe to Kafka. Introduction to shorter German prose with an emphasis on the genre of the novella and how it has developed from the classical period through the early twentieth century.

4321. German Lyric Poetry. Introduction to German lyric poetry from the Middle Ages to the present. The course emphasizes the tools and techniques for analyzing poetry in German.

4323. German Drama. Study of the history of German Drama culminating in an student production of a representative play in German.

4335. Advanced Civilization. Topic course with varying content. Familiarizes advanced students with significant examples of German art, music and non-literary writings of modernity. Emphasis on understanding of the context of modern literature and culture in the German-speaking world. Extensive readings and the writing of longer essays afford the students practice in exploring expository educated German style.

4346. Wagner. Discusses the many-faceted phenomenon that is Wagner and his impact upon the art, culture, thought and consciousness not only of his century but of the modernist age that followed. Examines Wagner's innovation in music, as well as his impact upon the artistic consciousness of the 19th century.

4349. Senior Honors Thesis. Outstanding students may be invited to write a senior project as an independent study project.

4V51. Independent Research.

4V90. Studies in German Cinema. Content may vary and can be repeated for credit.

MCTG COURSES

(Course descriptions listed under Comparative Literary Traditions.)

3305. Introduction to German Literature.**3V50–5V50. Special Topics****5311–5312. German For Reading Knowledge I and II.****THE SPANISH PROGRAM**

UD's Spanish Program celebrates the splendor of the Hispanic World, of Hispanidad, concentrating on the grand, the heroic, the poetic, the creative, the artistic, the holy, the stoic and other admirable facets of the legacy and contemporary reality of Spain and Spanish America. The Program also offers an interdisciplinary approach to Hispanidad through courses in Spanish language, literature, history, linguistics and art history. Finally, the courses examine the tension between the unity and the rich diversity within the Hispanic world.

Basic Requirements

Thirty advanced hours, including Spanish 3317, 3318, 3324, 4347, one 3000-level or higher history course taught in Spanish and five additional advanced courses. Prerequisite for any advanced literary or history course: successful completion of at least one of the following courses: 3317, 3318, 3324, or written permission from the instructor. Majors must pass a Comprehensive Examination during the final year of study.

COURSES IN SPANISH

1301–1302. First-Year Spanish I and II. Students acquire a basic vocabulary and an understanding of the fundamental structures of Spanish as they develop their skills in reading, writing, listening and speaking. Students are introduced to the cultures of the Spanish-speaking peoples of the world. 1301 is offered in the Fall semester only. 1302 is offered in both Fall and Spring.

2311. Second-Year Spanish I. Designed to enable students to learn to communicate intelligibly, both orally and in writing and to introduce them to short modern works of literature from Spain and Spanish-America. Fall and Spring.

2312. Second-Year Spanish II. A study of the heritage of the Spanish-speaking world through a panoramic overview of the history, literature and arts of Spain from prehistoric times up to the present day. Modern Spanish America is also briefly studied, from the time of Columbus, as the amalgam of Hispanic and indigenous cultures. Fall and Spring.

3120. Studio Drama.

3317. Peninsular Spanish Literary Tradition. An overview of Peninsular Spanish literature from the Middle Ages to the present. Students are introduced to literary forms, genres and movements, as well as to major themes in Spanish literature. They read short original texts. Required of concentrators and majors. Fall.

3318. Spanish American Literary Tradition. Selection of representative works of Spanish American literature from the Pre-Columbian period to the late twentieth

century. Literary works are placed in their historical and artistic context. Students continue the study begun in Peninsular Spanish Literary Tradition of forms, genres and movements. Required of majors. Spring.

3322. Civilization of Mexico. A one-semester course that offers the student a panoramic view of Mexican history, as well as art and architecture, from the Pre-Columbian age through the Mexican Revolution.

3323. Advanced Spanish Communication/Grammar. Students increase oral proficiency through an examination of the nature of communication across time and across cultures. Film, music, visual arts and literature provide material for discussion, engaging students on a variety of levels. Grammar review. Spring.

3324. Advanced Spanish Composition/Grammar. Students develop a sense of style and structure in writing Spanish on various levels. Close reading and detailed analysis of modern Spanish and Spanish-American authors in both literary and journalistic fields, in conjunction with intensive practice in the art of writing for specific and varying purposes. Required for majors. Fall

3328. Spanish Linguistics. Explores the different theoretical approaches to the study of language and considers the nature of language and its use. Also includes an overview of the history of the Spanish language, as well as a description of its contemporary phonology, morphology, syntax and sociolinguistic variations. Helps prospective Spanish teachers articulate Spanish grammar clearly and thoroughly.

3329. Introduction to Spanish and Mexican Art History. Course has four objectives: to introduce students to the main artistic styles throughout two thousand years in Spain and Mexico, to familiarize them with some of the most outstanding buildings, sculptures and paintings in both countries, to show them the unity and the diversity of artistic expression within the Hispanic world and to teach them artistic terminology in Spanish. First half of the semester is dedicated to the Iberian Peninsula and the second half to Mexico.

3330. Historical Linguistics. Designed for language majors, but open to all students. An introduction to modern approaches to the study of language, culminating in an inquiry into the origins, historical development and kinship of Indo-European languages. Every other year.

3331. Applied Linguistics: Introduction to Foreign Language Pedagogy. Introduction to the methods for teaching foreign languages at the secondary and university levels focusing on theory as well as practice. Includes supervised teaching units in UD Modern Language courses.

3V32. Spanish Outreach Teaching Practicum. Supervised foreign language teaching in cooperation with local area schools and home school associations. 1-3 credits. Graded course.

3V50–5V50. Special Topics in Spanish.

3V57. Spanish Internship. A 1-3 credit practicum undertaken with the approval of the program director involving off-campus educational involvement, such as an internship or related activity, in which there is a designated analytical or intellectual element resulting in an appropriate research paper or related project. Students should follow guidelines for internships. Graded Pass / No Pass. Can be taken for up to three credits.

4301. Spanish Medieval History. A survey of Spanish history from the establishment of the Visigothic Monarchy through the reign of the Catholic Monarchs. Emphasis on the development of Spain's national character and sense of purpose during the Reconquest. The cultural achievements of the thirteenth century, Aragon's expan-

sion throughout the lands of the Mediterranean in the late Middle Ages and the unification of the four Spanish kingdoms by Ferdinand II of Aragon and Isabel I of Castile are also covered.

4302. Spanish Medieval Literature. A study of lyric and epic poetry as well as early Spanish prose. Poetry read includes examples of jarchas, moaxajas, villancicos and ballads. Emphasis is placed on the *Cantar de mio Cid* (Spain's national epic poem) and King Alphonse X's *Cántigas de Santa María*. Prose works include the Archpriest of Hita's *Libro de buen amor*, *Los cuentos del Conde Lucanor*, by Infante Don Juan Manuel and *La Celestina*, written in the late fifteenth century by Fernando de Rojas.

4311. History of Habsburg Spain: The Golden Age. Spanish history in the sixteenth and seventeenth centuries. Emphasis on the Greater Habsburgs of the Renaissance, Emperor Charles V and Philip II. Topics include imperial expansion in the New World, defense of Christendom against Islam, Spain's participation in religious conflicts and national rivalries throughout Europe, cultural achievements during the Siglo de Oro, political and economic decline under the Lesser Habsburgs of the seventeenth century and the national sense of purpose inherited from the Reconquest.

4312. Golden Age Peninsular/Colonial Drama and Poetry. Renaissance and Baroque drama and poetry in Spain and Hispano-America. Dramatists studied are Lope de Vega, Juan Ruiz de Alarcón, Tirso de Molina and Pedro Calderón de la Barca. Poets include Garcilaso de la Vega, Alonso de Ercilla, Fray Luis de León, Francisco de Quevedo, Luis de Góngora, as well as the Carmelite mystics St. Theresa of Avila and St. John of the Cross.

4313. Golden Age Peninsular/Colonial Narrative. A study of both Peninsular and Colonial narrative during the Golden Age, including *El Lazarillo de Tormes*, Cervantes's *La Galatea* and works by Christopher Columbus, Bernal Díaz del Castillo, Alvar Nuñez Cabeza de Vaca, *El Inca Garcilaso*, St. Theresa of Avila, St. John of the Cross, Sor Juana Inés de la Cruz and Francisco de Quevedo.

4314. Cervantes: Don Quijote and Novelas ejemplares. A close reading of Cervantes's masterpiece, *Don Quijote*. Examination of *Don Quijote's* place in the development of prose fiction (books of chivalry, pastoral romance and the picaresque novels of the sixteenth century) as well as its impact on Spanish literature and the European novel in general. Includes some of Cervantes's later short *Novelas ejemplares*.

4342. History of Bourbon Spain: The Age of Revolution. A study of Spanish history during the two hundred and thirty years of Bourbon rule, from 1700 to 1931. Includes discussion of the loss of Spain's Empire in Europe, the administrative and economic reforms of the Enlightenment, the great international conflicts of the eighteenth century, the Peninsular War against Napoleon, the loss of Spain's Empire in America, the fall of the Old Regime, the political instability of the nineteenth century and the conflicts that led to the Spanish Civil War of the 1930s. One of the main topics of the course is the question of the "two Spains."

4343. Nineteenth-Century Peninsular Spanish Literature. Spanish poetry, drama and prose throughout the nineteenth century. The first half of the course focuses on Romanticism as well as costumbrista and historical novels. Writers studied include: Mariano de Larra, José Zorrilla, the Duke of Rivas, José de Espronceda and Gustavo Adolfo Bécquer. The second half is dedicated to the Realist and Naturalist novel. Special attention is given to works by Fernán Caballero (*Cecilia Böel de Faber*), Pedro Antonio de Alarcón, Benito Pérez Galdós, Clarín (*Leopoldo Alas*), Emilia Pardo Bazán and Blasco Ibáñez.

4347. Senior Project. Required of all majors. Preparation of a twenty five to thirty page research paper in Spanish, in literature, history, art history, or linguistics.

4349. Senior Honors Thesis. Majors may write a fifty-page research paper, in Spanish, in literature, history, art history, or linguistics as one of their ten courses instead of a Senior Project. By invitation of the Spanish faculty. The thesis includes a defense open to the public. Fall only.

4361. Early Twentieth-Century Peninsular Spanish Literature. The main literary trends in the first decades of the twentieth century. Study includes works by writers from the Generation of 98, such as Miguel de Unamuno, Antonio Machado, Ramón del Valle Inclán and Azorín (José Martínez Ruiz). Course also looks at Spanish vanguardismo of the 1920s and poets from the Generation of 27, including Pedro Salinas, Federico García Lorca, Jorge Guillén, Rafael Alberti, Luis Cernuda and Gerardo Diego.

4362. Contemporary Peninsular Spanish Literature. A study of the most important works of Spanish literature since the Civil War (1939). Authors studied are leading dramatists (Antonio Buero Vallejo and Alejandro Casona) and major novelists (such as Camilo José Cela, Carmen Laforet, Miguel Delibes, Ana María Matute and Carmen Martín Gaité).

4371. Twentieth-Century Spanish American Novels. Analysis of the Spanish American novel of the twentieth century. Authors studied are chosen from the following: María Luisa Bombal, Adolfo Bioy Casares, Miguel Angel Asturias, Alejo Carpentier and Gabriel García Márquez.

4372. Spanish American Poetry: From Modernismo to the Present. Examination of more than a century of Spanish American poetry. Authors usually include: José Martí, Manuel Gutiérrez Nájera, Rubén Darío, Gabriela Mistral, Alfonsina Storni, Juana de Ibarbourou, Vicente Huidobro, César Vallejo, Pablo Neruda, Octavio Paz and Jaime Sabines.

4373. Spanish American Short Story. Spanish American stories since the late nineteenth century. Authors studied are chosen from the following: Rubén Darío, Baldomero Lillo, Horacio Quiroga, Jorge Luis Borges, Juan Rulfo, Julio Cortázar and Gabriel García Márquez.

4374. Mexican Literature. A study of the interplay between literature and the arts in Mexico since the late nineteenth century. Some attention is given to the influence of the Mexican Revolution. Authors read are chosen from the following: José Rubén Romero, Gregorio López y Fuentes, Mariano Azuela, Alfonso Reyes, Agustín Yáñez, Juan Rulfo, Juan José Arreola, Octavio Paz, Elena Garro and Carlos Fuentes.

4375. Highlights of Spanish American Narrative. Taught in English when needed.

4376. Realism in Spanish and English Nineteenth-century Narrative. Taught in English when needed.

4351. Independent Research.

SPANISH STUDY-ABROAD PROGRAMS

UD has summer programs in Spain and Mexico at two Catholic universities: the Universidad Católica de Avila (Spain) and the Universidad Popular Autónoma de Puebla (Mexico). For information, please see the Spanish Program's web page or Dr. María Luisa Pérez-Bernardo.

COURSES IN ITALIAN

1101. Survival Italian. Offered at the Rome and occasionally at the Irving campus, this course teaches the basic vocabulary and grammatical construction necessary to manage communication in daily life during the semester in Italy. Graded Pass/No Pass.

1301–1302. First-Year Italian I and II. Introduction to Italian grammar, with emphasis on reading, writing, listening and speaking skills. Essential components of these courses will be intensive practice in pronunciation, vocabulary, comprehension, conversation and oral presentations on a variety of topics related to Italian culture. The complexity of the material increases in First-Year Italian II. Fall and Spring.

2311. Second-Year Italian I. Review and further study of grammar, together with intensive oral and written practice. Exploration of different aspects of Italian culture. Class consists of three contact hours per week. Fall.

2312. Second-Year Italian II. Essential components of this course will be intensive practice in writing and conversation through written and oral presentations on contemporary Italian topics and on Italian literary material. Intermediate Italian II prepares students for advanced study in Italian language and literature through a panoramic overview of the history, literature and art of Italy. Spring.

3321. Italian Literary Tradition I. Students will be acquainted with the genres, movements and chronological development of Italian Literature from its origin to the Renaissance. The course is conducted in Italian and the students will read works by San Francesco d'Assisi, Giacomo da Lentini, Guittone d'Arezzo, Guido Guinizelli, Guido Cavalcanti, Cecco Angiolieri, Jacopone da Todi, Bonvesin de la Riva, Marco Polo, Dante, Petrarca, Boccaccio, Leonardo, Lorenzo de' Medici, Poliziano. Spring, even-numbered years.

3322. Italian Literary Tradition II. A continuation of Literary Tradition I with special emphasis on the XX Century. Students will read and analyze selected works by Pascoli, D'Annunzio, Gozzano, Marinetti, Svevo, Pirandello, Ungaretti, Montale, Quasimodo, Saba. Taught in Italian and offered in the Spring of odd-numbered years.

3323. Advanced Communication in Italian. Emphasis on increasing both oral and written skills so that students can articulate, in an accurate and mature way, ideas of interest to the educated person in the contemporary world. Grammar review, extensive reading of contemporary texts and writing essays that reflect on current events. As needed.

3330. Historical Linguistics. Designed for language majors, but open to all students. An introduction to modern approaches to the study of language, culminating in an inquiry into the origins, historical development and kinship of Indo-European languages. Every other year.

3331. Applied Linguistics: Introduction to Foreign Language Pedagogy. Introduction to the methods for teaching foreign languages at the secondary and university levels focusing on theory as well as practice. Includes supervised teaching units in UD Modern Language courses.

3V32. Italian Outreach Teaching Practicum. Supervised foreign language teaching in cooperation with local area schools and home school associations. 1-3 credits. Graded course.

3V57. Italian Internship. A 1-3 credit practicum undertaken with the approval of the program director involving off-campus educational involvement, such as an internship or related activity, in which there is a designated analytical or intellectual element resulting in an appropriate research paper or related project. Students should follow guidelines for internships. Graded Pass / No Pass. Can be taken for up to three credits.

4V50. Special Topics in Italian. See description under Spanish.

4V51. Independent Research. As needed.

Molecular Biology Concentration

DIRECTOR

Assistant Professor Cody

Molecular biology is an interdisciplinary science incorporating the study of cell biology, genetics and biochemistry. The field hinges on fundamental tenets of recombinant DNA technology that allow genes to be isolated, characterized and expressed in organisms that may be completely unrelated. These techniques are applied to answer questions about how genes are organized and regulated, the mechanisms by which gene products function and the molecular interactions that occur within living organisms. Such research is a driving force behind many recent advances in medicine and has led to breakthroughs that include the ability to produce human insulin in bacteria and development of a recombinant protein vaccine against hepatitis B. Molecular biologists must be well-versed in theoretical aspects of cell function and possess the critical thinking and laboratory skills necessary for conducting research. The Concentration in Molecular Biology is designed to provide the essential background knowledge and hands-on experience required by students interested in this rapidly advancing discipline.

The ability to manipulate the genes of living organisms is an extremely powerful technology that must be approached with caution and a keen sense of responsibility. For this reason, the Molecular Biology Concentration includes a requirement that students complete at least one of three philosophy courses addressing the ethical application of scientific knowledge. The goal is to provide graduates not only with the skills necessary to conduct research, but the ability to determine how or whether research ought to be carried out.

REQUIRED COURSES:

BIO 3325, 3125. Genetics/Genetics Laboratory.

BIO 3329. Developmental Biology.

OR 4338. Cell Structure and Function.

BIO 4328, 4128. Molecular Biology/Molecular Biology Laboratory.

CHE 3335, 3135. Biochemistry I/Biochemistry Laboratory.

PHI 4333. Philosophy of Science.

OR 4334. Bioethics.

OR 5332. Philosophy of Technology.

Research/Internship. Offered through the student's major department. 3 credit hours.

Music

DIRECTOR

Affiliate Instructor Van Cleve

The university offers a music concentration and ensures the presence of music on its campus through regular music programs and a variety of activities arranged by the Music Department. The UD Chorale is widely recognized for its quality and performs repertoire ranging from Gregorian chant to 20th century works. Applied lessons in piano, voice, violin and cello are available and instruction in other instruments can be arranged through the Music Office. Opportunities for performance include monthly student recitals, special concerts, Lyric Theater productions, liturgies and campus visit weekends. Additionally, guest artist performances at UD provide the opportunity for students to hear world-class musicians on campus and students have the chance to attend concerts in the Dallas- Fort Worth area, arranged through the Music Department. The goals of the Music Department are to provide students with opportunities to explore and create music from a variety of genres and to prepare those students who choose to pursue the music concentration to be proficient in the artistic, theoretical and historical aspects of the language of music.

THE MUSIC CONCENTRATION

The music concentration encourages interest and proficiency in music by organizing courses into a coherent set of experiences. It requires at least 12 academic credits in music history, theory and electives, as well as at least 6 credits from applied music, both ensemble and private lessons.

Under the general studies rubric, students may earn up to four credits toward the degree for participation in applied music courses. Pass/no pass grades are awarded for lower-division, one-credit music courses. These may be repeated. Three-credit and advanced applied one-credit courses are graded. Music 1311 will count toward satisfaction of the core Fine Arts requirement.

Music of the Western World	3 credits
Advanced Music History	3 credits
Advanced Music Theory	3 credits
Related Music Course (Theory or History)	3 credits
Applied Music*	6 credits
	18

*Applied Music-4 semesters of upper level applied private lessons (3000 level, graded) and 2 semesters of ensembles (1000 level).

In addition to these courses, the Music Concentration requires piano proficiency, which will be determined through a playing demonstration heard by Music Department piano faculty. If the student has no prior piano experience, then 2 semesters of beginning piano are required. Assessment/evaluation of piano skills should take place as soon as possible after the student has decided to pursue the Music Concentration, but no later the first week of the fall semester of the senior year.

COURSES IN MUSIC

Fees for applied music courses are payable to the university at the beginning of each semester. For courses 1105–1116 and 3107–3116: Students must receive Music Department approval before registering for these courses.

1105. Chamber Ensemble. An opportunity for pianists, string and woodwind players to practice and perform in small chamber music ensembles of 2-4 instruments. Groups meet weekly with the instructor. At least one performance given each semester. Graded Pass/No Pass.

1106. Chamber Orchestra. Classes offered when practical. Open to instrumental musicians from the entire university community. Members provide their own instruments. Graded Pass/No Pass.

1107. Applied Piano. One forty-five minute private lesson per week to be arranged by instructor and student. One performance given each semester. Graded Pass/No Pass. Additional lesson fee.

1108. Applied Instrumental Music. Individual instruction in violin and other instruments upon student request per semester. Graded Pass/No Pass. Additional lesson fee.

1113. UD Chorale. Choral group that explores sacred and secular works from all musical periods. Performs a public concert once per semester and participates in Mass once a month at the Church of the Incarnation. Admission by audition.

1113. Choral Ensembles. Chamber Singers and Madrigals offered when student numbers permit. Admission by audition.

1116. Applied Voice—Practicum. Open to all students. Individual instruction in developing the voice as an instrument of dramatic and musical expression. One forty-five minute lesson per week to be arranged by the instructor and student. Graded Pass/No Pass. Additional lesson fee.

1311–1312. Music of the Western World: Renaissance, Baroque, Classical, Romantic and Contemporary. A two-course series focusing on the development of the tradition of Western Music beginning with early Christian chant and culminating in the modern period. Exposure to the nature and elements of music through lectures, presentation projects, listening assignments and concert attendance.

1320. Music Theory I. Designed to teach the beginning music student practical knowledge of note-reading, rhythms, chords and key arrangements. All work is written or sung.

2103. Lyric Theater. A workshop class focusing on opera and musical theater productions. Offered each Spring as possible.

3107. Advanced Piano. Individual instruction in piano at the advanced level. Open only to students pursuing the music concentration; instructor approval required. One forty-five minute lesson per week to be arranged by the instructor and student. Additional lesson fee applies. Graded course.

3108. Advanced Instrumental Music. Individual instruction in violin and other instruments at the advanced level. Open only to students pursuing the music concentration; instructor approval required. One forty-five minute lesson per week to be arranged by the instructor and student. Additional lesson fee applies. Graded course.

3116. Advanced Voice. Individual instruction in voice at the advanced level. Open only to students pursuing the music concentration; instructor approval required. One forty-five minute lesson per week to be arranged by the instructor and student. Additional lesson fee applies. Graded course.

3322. Advanced Music Theory. Designed to teach the intermediate music student practical knowledge of note-reading, rhythms, chords and key arrangements with emphasis on four-part harmony. Students analyze the harmony and form of works by master composers. Prerequisite: Music Theory I or Proficiency Exam.

3335. History of Opera. A study of the development of opera in western music through the exploration of standard masterworks of operatic literature.

3360. Shakespeare Through Music. Study of Shakespeare's plays through the exploration of the music written for them.

Nursing Dual Degree Program

DIRECTOR

Associate Professor Slaughter

In a healthcare setting nurses assist in the treatment and recovery of patients and work closely with other healthcare professionals, patients and their families to help manage injury and illness and improve overall health. Nurses work in a variety of environments—although you may frequently encounter nurses in a hospital setting there are many now working in homes, companies, as researchers in laboratories, the military and in parish nursing. The traditional path to a nursing career is a four-year program leading to a Bachelor of Science in Nursing and includes prerequisites followed by nursing-specific courses necessary for licensure. University of Dallas students are attracted to UD's distinctive core curriculum which focuses on the great ideas and works of Western civilization in addition to preparing for a nursing career. UD's core curriculum combined with nursing prerequisites and practice-based education in nursing gives graduates the opportunity to become successful liberally-educated nursing professionals. At UD a student may pursue a degree in nursing by participating in the UD-TWU Dual Degree Partnership with Texas Woman's University for a dual degree program in biology and nursing.

The dual degree program requires three years of core and prerequisite courses at the UD campus with a GPA of 3.0 and two years of practical nursing courses at TWU. A student must declare the dual degree program by completing the nursing declaration form by the end of sophomore year and must major in biology. In the first three years the student completes the core curriculum, biology requirements and the prerequisites for admission to TWU. Some courses are listed as "flexible", as they can be completed alongside regular semester courses or during summer/Interterm or at other schools.

The last two years will be at TWU. To qualify for admission at TWU the student must meet the following deadlines in the junior year:

- Nov 15** Complete the TEAS-V exam. Information on the exam can be found at <http://www.twu.edu/downloads/nursing/teas-v-brochure.pdf>. A score of at least 64% is required on all sections (Reading, Math, English, and Science). Study guides are available from the nursing advisor.
- Dec 1** Apply to TWU as a transfer. Application information is available online through the TWU website at <http://www.twu.edu/nursing/apply.asp>.
- Feb 1** Once you are accepted to TWU, submit a second application to the College of Nursing (you will receive a link via e-mail to apply).
- March 30** Receive notification from TWU if admitted to nursing program.
- Aug 30** Complete the UD Biology comprehensive exam.

BASIC REQUIREMENTS**YEAR I (UD)**

BIO 1311/1111 Gen Bio I/Lab	4	BIO 1312/1112 Gen Bio II/Lab	4
CHE 1303/1103 Gen Chem I/Lab	4	CHE 1304/1104 Gen Chem II/Lab	4
ENG 1301 Lit Trad I	3	ENG 1302 Lit Trad II	3
PHI 1301 Phil & Ethical Life	3	THE 1310 Under the Bible	3
LANG 2311 Second Yr Language I	3	LANG 2312 Second Yr Language II	3
	17		17

YEAR II (UD)

BIO 3327/3127 Microbiology/Lab	4	ENG 2311 Lit Trad III	3
CHE 3321/3121 Org Chem I/Lab	4	HIS 2301 Western Civ I	3
POL 1311 Principles of Am Politics	3	PHI 2323 Phil of Man	3
PSY 2313 General Psychology	3	THE 2311 Western Theo Trad	3
HIS 2302 Western Civ II	3	ART 2311 Art & Arch/Rome	3
	17		15

YEAR III (UD)

BIO 3323/3123 Anatomy	4	BIO 3331/3131 Physiology	4
PHY 2305/2105 Gen Phys I/Lab	4	PHY 2306/2106 Gen Phys II/Lab	4
MAT 2305 Intro to Statistics	3	ECO 1311 Fund of Economics	3
HIS 1311 Am Civ I	3	HIS 1312 Am Civ II	3
PHI 3311 Phil of Being	3	BIO (Organism to Population level)	4
	17		18

FLEXIBLE (TAKEN BY YEAR III SPRING)

Calculus or Quantitative Literacy	3
Nutrition	3
Texas Government	3
Developmental/Lifespan Psychology	3
Multicultural Women's Study	3

YEAR IV (TWU)

NURS 3005 Concepts & Clinical Comp	5	NURS 3025 Wmn's Hlth & Family	5
NURS 3614 Nursing Assessment	4	NURS 3035 Adult Health Comp I	5
NURS 3813 Pharmacology	3	NURS 3612 Intro to Research	2
BIOL 4344 Pathophysiology	4	NURS 4602 Exp with Groups	2
	16	Nursing 4612 Aging Family	2
			16

YEAR V (TWU)

NURS 4045 Adult Health Comp II	5	NURS 4026 Critical Comp Integ	6
NURS 4055 Child Health Comp	5	NURS 4614 Comm Health Comp	4
NURS 4615 Mental Health Com	5	NURS 4803 Leadership & Mgmt	3
Nursing elective	2		13
	17		

Paideia Personalized Major Program

DIRECTOR

Constantin Dean and Professor Sanford

The Paideia Personalized Major Program offers exceptional students the opportunity to design their own major within the parameters described below. The degree plan will combine selected departmental offerings with independent study under the direction of a personal committee. Students are admitted into this program on the basis of an excellent academic record and a strong proposal for an interdisciplinary project. Applicants to the program should have a grade point average of 3.5 and sophomore standing. Students may not be admitted to the program later than the first semester of the junior year. Continuation in the program requires a grade point average of at least 3.3 in any semester.

A Paideia Scholar proposal must meet a number of requirements. First, it must have both a clearly delimited central topic and that comprehensiveness characteristic of liberal education. Second, the proposal must fall within an area that can be well supervised by the university's faculty. Third, it must demonstrate that the proposed work cannot be better done within the structure of a departmental major.

Paideia Scholars must, of course, fulfill the university requirements that constitute the core curriculum and the minimum credits required for the degree.

APPLICATION

Applications for admission to the Paideia Personalized Major program are made to the Director, who, with appropriate consultation, approves acceptable applications and approves the committee. Applications must be sponsored by a faculty member, who writes a recommendation that accompanies them and makes a commitment to supervising the students' Paideia Scholar progress and to chairing the students' committee. A complete proposal will contain a detailed outline of the project students wish to undertake as well as the courses to be taken. Appendices should contain a preliminary bibliography and names of the members of the supervisory committee. When the proposal is approved, students, the supervisory committee and the chairs of departments in which the student will pursue classes will be notified in writing.

Students may view copies of past Scholar proposals and theses by speaking with the Director.

Nota Bene: Students should be advised that only highly motivated students will be successful in the Program; often, Paideia Scholars must do more work than would be required in a double major. The choice of a well-focused project and a helpful committee is crucial. Changes in staffing and faculty appointments can at times make a Paideia Personalized Major program difficult to complete; therefore, students should choose their committee carefully.

PROGRESS

Approval to undertake the program is not a guarantee of success; it must be accompanied by work of high quality and grade-point average must be maintained to continue in the program. The work for the project should proceed primarily through

existing classes, including at least 24 advanced credits related to the program and include PPM 4349 Senior Research and PPM 4350 Senior Thesis.

ROLE OF THE COMMITTEE

The committee supervises the Paideia course of study. It ensures the integrity of the program and administers an appropriate comprehensive examination in the fall of the senior year. Students should meet with their entire committee at least twice each semester (once early in the semester, once late in the semester) to report progress toward the degree. At these times, the committee reviews the students' progress, offers suggestions for future work and certifies that they may continue in the Paideia Personalized Major Program. The chairman of the students' committee supervises the research and directs the student in writing the senior thesis, which must be successfully defended before the whole committee during the spring semester of the senior year.

Pastoral Ministry

FACULTY

Dean and Associate Professor Whapham; Director of Graduate Programs and Affiliate Assistant Professor Luby; Associate Professor Jewell; Director of Continuing Education Programs and Affiliate Instructor Septien; Assistant Professor Raiche; Affiliate Assistant Professor Ramirez; Freeman Professor of Sacred Scripture Giuliano; Peterson Professor of Applied Ministry McGill; Affiliate Instructor of Hispanic Ministry Cruz

"The harvest is abundant, but the laborers are few." (Matthew 9:37) The mission of the Church is to proclaim the Gospel of Jesus with vigor and compassion and clarity, drawing all people to Christ in faith and hope and love. Its task is nothing less than active participation in the building of the Kingdom of God. Such an urgent mission requires the full hearted engagement of every member of the Church. In a 2005 statement on ministry, the US bishops noted a pressing need for ministers with "a special level of professional competence and presence to the community... [whose] roles often require academic preparation, certification, credentialing and a formation that integrates personal, spiritual, intellectual and pastoral dimensions." (Co-Workers in the Vineyard, 12). The Pastoral Ministry major at UD seeks to meet this growing need by providing such preparation for service in and for the Church.

A deep engagement with the broad educational vision of liberal education and a passionate commitment to hands-on service of Christ and his church grounds the Pastoral Ministry major. Its curriculum blends immersion in the great ideas and stories, the pivotal thinkers and seminal images of western culture, with the best of contemporary Catholic thinking and practice regarding pastoral ministry. Pastoral Ministry majors enjoy the life changing dialogue with art, literature, philosophy, politics, science and history fostered by a demanding core curriculum. At the same time, they interact with skilled and dedicated ministry professionals, study contemporary documents regarding specific ministries and identify and sharpen skills for service through practical application.

BASIC REQUIREMENTS FOR MAJOR

Candidates for the BA in Pastoral Ministry will meet all the university's core requirements for the BA degree. In addition, they will successfully complete a program of thirty-eight credits: thirty-two from among courses in the School of Ministry; and six from upper division courses (3000 – 4000 level) in the Theology Department. It is strongly recommended that Pastoral Ministry graduates demonstrate fluency in oral and written Spanish, either by examination in the Spanish department or through completion of at least Intermediate Spanish II.

The Pastoral Ministry curriculum consists of two principal components. The "Pastoral Foundations of Ministry" component consists of eight courses designed to provide students with deep grounding in Catholic spiritual, doctrinal, liturgical and missionary tradition. This includes familiarity with ancient texts and contemporary documents which form the bedrock of pastoral action. Foundations courses are: PAS 1305 (Essentials of Catholic Life and Identity); PAS 2320 (Scripture for Ministry and Worship); PAS 3330 (Liturgical and Sacramental Ministry and Spirituality); THE 3341 (Moral Theology); PAS 3335 (Theology and Practice of Pastoral Ministry); PAS 3340 (Vatican II and the Mission of the Church); PAS 3345 (The Person of the Minister); PAS 4370 (Administration for Ministry).

The second major element of the curriculum is the "Ministerial Focus Area." This cluster provides an in-depth look at the theoretical principles and sources of either the ministry of catechesis or youth and young adult ministry; and extends opportunities to put those principles into practice through a two semester pastoral internship. Focus courses are PAS 3360 (Foundations of Catechetical Ministry) –OR– PAS 3362 (Foundations of Youth and Young Adult Ministry) and PAS 4381, 4382 (Pastoral Internship: Catechetical Ministry, with Capstone) –OR– PAS 4383, 4384 (Pastoral Internship: Youth and Young Adult Ministry, with Capstone); plus PAS 4181, 4182 –OR– 4183, 4184 (Internship Seminar).

Capstone Project

As part of the student's second semester internship, a capstone project is developed and executed. This project serves as an occasion to integrate theoretical learning with practical application in a local parish, school, or other appropriate ministry setting. A detailed plan is developed and clear norms for evaluation are established in dialogue with the on-site supervisor and School of Ministry faculty.

Comprehensive Professional Portfolio

In the second half of the final semester, students will prepare and present a comprehensive professional portfolio. This portfolio is designed to represent students' mastery of knowledge and skills commensurate with a high standard of professional ministerial excellence. Contents include sample presentations, writing samples, descriptions of ministerial experience, records of successful ministerial projects and other indicators of professional development. The portfolio is the centerpiece of a public presentation by the student and is assessed by a panel including at least two professors from the School of Ministry and the on-site supervisor of the student's internship.

Suggested Sequence of Courses for Pastoral Ministry Major

YEAR I

PAS 1305	3	Math	3
English 1301	3	English 1302	3
History 1311	3	History 1312	3
Philosophy 1301	3	Theology 1310	3
Spanish 2311*	3	Spanish 2312*	3
	15		15

YEAR II (Rome and Irving semesters)

English 2311, 2312	6
History 2301, 2302	6
Philosophy 2323	3
Theology 2311	3
Fine Arts	3
PAS 2320 OR 3335	3
Economics 1311	3
Politics 1311	3
	30

YEAR III

Past. Min. 3340	3	Past. Min. 3345	3
Past. Min. 2320 OR 3335	3	Past. Min. 3360 OR 3362	3
Philosophy 3311	3	Past. Min. 3330	3
Science Core	4	Elective	3
Elective	3	Science Core	4
	16		16

YEAR IV

Past. Min. 4381 OR 4383	3	Past. Min. 4382 OR 4384	3
Past. Min. 4181 OR 4183	1	Past. Min. 4182 OR 4184	1
THE 3341	3	Past. Min. 4370	3
Adv. Theology Elective	3	Electives	6
Adv. Elective	3		13
Elective	3		
	16		

Spanish is strongly recommended for Pastoral Ministry majors.

PASTORAL MINISTRY CONCENTRATION

The goal of the concentration is to provide tools for pastoral ministry and practical experience in serving the Church. The concentration is available to all UD undergraduates with the exception of pastoral ministry majors.

CONCENTRATION REQUIREMENTS

Five pastoral ministry courses and a service project.

Three Required Courses (9 credits):

PAS 1305. Essentials of Catholic Life.

PAS 3335. Theology and Practice of Pastoral Ministry.

PAS 3345. The Person of the Minister.

Two Elective Courses (6 credits):

PAS 2320. Scripture for Ministry and Worship.

PAS 3330. Liturgical and Sacramental Ministry.

PAS 3340. Vatican II and the Mission of the Church.

PAS 3360. Foundations of Catechetical Ministry.

PAS 3362. Foundations for Youth and Young Adult Ministry.

The Service Project

The service project is a non-credit project with the following requirements:

- It must be completed after the freshman year, either during an academic semester or in the summer.
- A wide variety of service projects are possible, but should be generally oriented to serving the church, e. g., volunteer work in campus ministry or a parish-based service project.
- The service project must be approved by the SOM in advance. Pre-approval takes place through a project agreement-form, detailing the dates and nature of the service.
- When the project is completed, the student will submit a short written essay (2-3 pages) reflecting on the learning experience involved.

COURSES IN PASTORAL MINISTRY

1305. Essentials of Catholic Life & Identity. An overview of central elements of Catholic life and faith (e.g., revelation, creation, God, Christology, ecclesiology, sacramentality, anthropology, spirituality, etc.); in context of 21st century US culture and circumstances; parish life and culture, internal and external trends for the future. Requires structured field observation and analysis of pastoral ministry in theological context. Fall and Spring semesters. Normal Prerequisite for PAS Majors.

2320. Scripture for Ministry and Worship. Explores the Biblical roots of ministry and the pastoral use of scripture in the ministries of Word, worship, service and community; correlates major goals of catechesis as enumerated in the General Directory for Catechesis with major themes and texts of the Bible (e.g., covenant, creation, grace, sin & redemption, community, prayer, eschatology, etc.) Requires close study of pertinent ecclesial documents illuminating and governing the understanding and use of scripture in ministry and worship; for example, *Providentissimus Deus*, *Divino Afflante Spiritu*; *Dei Verbum*; *Introduction to the Lectionary for the Mass*; *Interpretation of the Bible in the Church*; *The Jewish People and their Sacred Scriptures in the Christian Bible*, *Verbum Domini*, etc. Prerequisites: THE 1310.

3330. Liturgical and Sacramental Ministry and Spirituality. Develops a theology of sacramental worship as bedrock for Catholic ministry and spirituality; considers the origins of sacramentality, the role of ritual and prayer in Christian life; leadership of prayer and worship as ministerial tasks; norms and strategies for sacramental preparation and liturgical formation; implications of sacraments for ministerial practice. Requires close study of pertinent ecclesial documents; for example, *Sacrosanctum Concilium*; *General Instruction on the Roman Missal*, *General Instruction of the Liturgy of the Hours*, *The Rite of Christian Initiation of Adults*, ritual texts for all other sacraments; *Dies Domini*; *Ecclesia de Eucharistia*, *Sacramentum Caritatis*, etc. Prerequisites: THE 1310 or THE 2311; and PAS 1305.

3335. Theology and Practice of Pastoral Ministry. A detailed examination of and reflection on the practice of ministry in the Church. Requires close study of pertinent ecclesial documents regarding ministry; for example, *Apostolicam Actuositatem*, *Christifideles Laici*, *Called & Gifted*, *Co-Workers in the Vineyard of the Lord*, *Code of Canon Law* (selections), *National Certification Standards for Lay Ecclesial Ministers*, etc., as well as local norms of ministerial practice. Prerequisites: THE 1310 or THE 2311; and PAS 1305.

3340. Vatican II and the Mission of the Church. Historical and theological review of Vatican Council II and its vision of mission and ministry. Requires careful study of the four constitutions of Vatican II and other major conciliar and post-conciliar documents; for example, *Ad Gentes*, *Nostra Aetate*, *Evangelii Nuntiandi*, *Go and Make Disciples*, *Redemptoris Missio*, etc. Prerequisites: THE 1310 or THE 2311.

3345. The Person of the Minister. Consideration and development of interpersonal attitudes, practices and skills for professional ministry; for example, collaboration, pastoral communication, boundaries and relationships in ministry, managing conflict, personal and spiritual maturity, ministerial identity and ethics. Requires study of excerpts of pertinent ecclesial documents regarding ministry; for example, *Pastores Dabo Vobis*, *Program of Priestly Formation*, *National Directory for the Formation, Ministry and Life of Permanent Deacons*, *Co-Workers in the Vineyard*, etc. Prerequisites: THE 1310 or THE 2311; and PAS 1305.

3360. Focus Area: Foundations of Catechetical Ministry. Survey of the history, theology and practice of the ministry of catechesis; requires close reading of pertinent historical and catechetical documents; for example, *The First Catechetical Instruction* (Augustine), *Gravissimum Educationis*, *Catechesi Tradendae*, *the General Directory for Catechesis*, *Our Hearts Were Burning Within Us*, *the National Directory for Catechesis*, etc. Prerequisites: THE 1310 or THE 2311; PAS 1305 and PAS 3335 as a prerequisite or co-requisite.

3362. Focus Area: Foundations of Youth and Young Adult Ministry. Survey of the history, theology and practice of ministry with and for youth and young adults;

provides close reading of pertinent ecclesial documents; for example, *Sons and Daughters of the Light*; *Renewing the Vision*, *Ecclesia in America*, etc. Prerequisites: THE 1310 or THE 2311; PAS 1305 and PAS 3335 as a prerequisite or co-requisite.

4370. Administration for Ministry. Analysis of and reflection on systems and structures for ministry in the Church today; social and pastoral analysis of different ministerial contexts; interaction and collaboration between and among pastoral communities. Requires significant personal contact with and observation of administrative leadership in various pastoral settings. – Prerequisites: THE 1310, THE 2311, PAS 1305, PAS 3335, PAS 3345.

4381. Pastoral Internship: Catechetical Ministry. [First semester seniors only.] Students immerse themselves in the practice of catechetical ministry in a structured process of field education at a site chosen by the School of Ministry. The internship provides an opportunity for students to practice the vision, principles and strategies studied in the foundations course, in the particular circumstances and culture of the internship site. Under the structured professional supervision of a seasoned catechetical practitioner, students undertake meaningful, hands-on ministry in a wide variety of settings, at multiple levels. Requires weekly participation at the internship site. Prerequisite: PAS 1305, PAS 3335, PAS 3345, PAS 3360.

4181. Internship Seminar: Catechetical Ministry I. [First semester seniors only.] Weekly seminar format, concurrent with the ministry internship. Work focuses on student presentations of ministry at internship sites, systematic theological and pastoral reflection on implications and connections; identification and consideration of common motifs and issues across ministries; and concrete strategizing for communal and personal ministerial enhancement. Development of a personal portfolio that includes self-reflection on the role of the minister and their vision for ministry. Taken with PAS 4381.

4382. Pastoral Internship: Catechetical Ministry Capstone. [Second semester seniors only.] Students plan, execute and evaluate a ministerial project at their ministry internship site. The project is intended to demonstrate conceptual mastery of the foundations of pastoral ministry in general and catechetical ministry in particular; thorough familiarity with the culture, needs and circumstances of the host community; and practical facility in the skills associated with catechetical ministry. The project is designed in collaboration with and upon the approval of, the on-site supervisor and the supervising professor. Upon the successful completion of the project, a summative and integrative paper describing the project is submitted, and a presentation is made to a panel selected by the School of Ministry. Requires weekly participation at the internship site. Prerequisite: PAS 4381.

4182. Internship Seminar: Catechetical Ministry II. [Second semester seniors only.] Weekly seminar format, concurrent with the ministry internship. Work focuses on student presentations of ministry at internship sites, systematic theological and pastoral reflection on implications and connections; identification and consideration of common motifs and issues across ministries; and concrete strategizing for communal and personal ministerial enhancement. Upon completion of the seminar the students produce a professional portfolio of their ministry. Taken with PAS 4382.

4383. Pastoral Internship: Youth Ministry. [First semester seniors only.] Students immerse themselves in the practice of youth ministry in a structured process of field education at a site chosen by the School of Ministry. The internship provides an opportunity for students to practice the vision, principles and strategies studied in the foundations course, in the particular circumstances and culture of the intern-

ship site. Under the professional supervision of a seasoned youth minister, students undertake meaningful, hands-on ministry in a wide variety of settings, at multiple levels. Requires weekly participation at the internship site. Prerequisite: PAS 1305, PAS 3335, PAS 3345, PAS 3362.

4183. Internship Seminar: Youth Ministry I. [First semester seniors only.] Weekly seminar format, concurrent with the ministry internship. Work focuses on student presentations of ministry at internship sites, systematic theological and pastoral reflection on implications and connections; identification and consideration of common motifs and issues across ministries; and concrete strategizing for communal and personal ministerial enhancement. Students develop a personal portfolio that includes self-reflection on the role of the minister and their vision for ministry. Taken with PAS 4383.

4384. Pastoral Internship: Youth Ministry Capstone. [Second semester seniors only] Students plan, execute and evaluate a ministerial project at their internship site. The project is intended to demonstrate conceptual mastery of the foundations of pastoral ministry in general and youth ministry in particular; thorough familiarity with the culture, needs and circumstances of the host community; and practical facility in the skills associated with youth ministry. The project is designed in collaboration with and upon approval of, the on-site supervisor and the supervising professor. Upon the successful completion of the project, a summative and integrative paper describing the project is to be submitted, and a presentation is to be made to a panel approved by the School of Ministry. Prerequisite: PAS 4383.

4184. Internship Seminar: Youth Ministry II. [Second semester seniors only] Weekly seminar format, concurrent with the ministry internship. Work focuses on student presentations of ministry at internship sites, systematic theological and pastoral reflection on implications and connections; identification and consideration of common motifs and issues across ministries; and concrete strategizing for communal and personal ministerial enhancement. Upon completion of the seminar the students produce a professional portfolio of their ministry. Taken with PAS 4384.

4V41. Directed Readings. Arranged between instructors and students, this tutorial allows students to undertake an in-depth reading program on a topic of particular interest. It requires a detailed proposal by students that is approved, in writing, by instructors and the Dean before the semester begins.

3V50, 4V50. Special Topics. Courses offered on an occasional basis allow students and faculty to pursue special interests in areas of ministry and theology that are not offered regularly. The Dean determines the selection of topics in consultation with faculty and students.

Philosophy

FACULTY

Chair and Professor Rosemann; Professors W. Frank, Parens, Sanford, Sepper and Wood; Associate Professors Lehrberger, Mirus, Simmons and Walz; Assistant Professors Engelland and C. Nielsen; Affiliate Assistant Professors Nolan and Tullius.

Philosophy in its simplest sense is the love of wisdom. Wisdom is the possession of truth about fundamental things and love is a state of spirit and mind that deeply animates and transforms human life for the sake of the good. The goal of our undergraduate courses, accordingly, is twofold: to introduce basic questions and claims about what is, what is conceivable and what is true and to engender in students the habit of seeking the good. An important corollary effect is that students thus learn how to extend and integrate their own education.

As part of a Catholic University, the Department of Philosophy is particularly interested in the ways Revelation has led to developments within a properly philosophical wisdom available to believers and nonbelievers alike.

The core courses in Philosophy acquaint students with works, arguments and ideas that are landmarks in Western and Christian thought and experience. The three courses, in an ascending series, examine: (1) the good life and the role of philosophy in living it (*Philosophy and the Ethical Life*); (2) the nature of being human and being a person, in particular by considering the basic powers and capacities that make us human (*The Human Person*); and (3) the fundamental conceptions of being that ground every more particular attempt to understand the universe and what it contains (*Philosophy of Being*).

For its majors and for others interested in deepening their philosophical education beyond the core, the Department has two types of offerings. Courses in the history of philosophy span the Western tradition from the pre-Socratics to the contemporary world. They aim to engage students in a continuing dialogue with the greatest philosophers, a dialogue that is both ennobling and humbling. These courses also serve to illuminate historical epochs through the works of the best philosophical minds and so enhance students' grasp of human culture. Finally, by encouraging critical appreciation of the philosophical accomplishments of the past, they provide students with the means to articulate and understand the conceptual background to contemporary issues and problems.

Those issues and problems are treated in upper-level topical and thematic courses, such as epistemology, philosophy of science, ethics and bioethics, philosophy of God and religion, aesthetics, non-Western philosophies and other areas of special inquiry. They present students with the state of current thought about these things and thus make it possible to gain clarity about how to think and act intelligently in the contemporary world. And thus they reinforce the purpose of all the Department's offerings, which is to extend students' understanding of the Western and Christian philosophical heritage in a way that will spur their own desire and power to live philosophically.

FUTURE CAREERS

By choosing philosophy as a major, students open up a broad range of future options. They can, of course, go on to graduate study, research and teaching. For example, it is possible to obtain a master's degree in philosophy with one extra year of study in the university's M.A. program in philosophy, or to concentrate in

philosophy within the Ph.D. program, the Institute of Philosophic Studies. Philosophy is an excellent preparation for theological studies. Philosophy students acquire intellectual habits that prepare them to do the kind of sustained, thorough analysis of problems necessary in many different fields, from journalism and political think-tanks to cutting-edge businesses.

CORE PROGRAM IN PHILOSOPHY

Philosophy 1301, 2323 and 3311 are required.

BASIC REQUIREMENTS FOR MAJOR

Forty-two credits in Philosophy, including Philosophy 3343, 3344, 3345, 3346 or 3347, 3339, 3351, 4336, 4337 or 4338, 4341 and 4342, plus one three-credit upper-level elective. For those considering graduate school in Philosophy, 4331 (Epistemology) is recommended. Also required, in the spring semester of the senior year, is a passing grade on a written *comprehensive examination* (covering the entirety of the student's course work and also testing his or her ability to comment intelligently on philosophic texts) with a follow-up oral examination. One retake is permitted in case of failure on either the written or oral portions.

Students should seek electives in other departments, such as Theology, English, Politics and Psychology, which inform and broaden their philosophical experience.

Suggested Sequence of Courses for Philosophy Major

YEAR I

Philosophy and the Ethical Life	3	Under the Bible	3
Literary Tradition I	3	Literary Tradition II	3
American Civilization I	3	American Civilization II	3
Language 1301 (or 2311)	3	Language 1302 (or 2312)	3
Art, Drama, or Music	3	Mathematics	3
	15		15

YEAR II (with a Semester in Rome)

The Human Person	3	Philosophy of Being	3
Literary Tradition III	3	Literary Tradition IV	3
Western Theological Tradition	3	Principles of American Politics	3
Language 2311 (or Elective)	3	Language 2312 (or Elective)	3
Western Civilization I	3	Western Civilization II	3
	15		15

YEAR III

From Medieval to Modern	3	From Modern to Postmodern	3
Ethics	3	Advanced Elective	3
Symbolic Logic	3	Junior Seminar	3
Life Science (with Lab)	4	Physical Science (with Lab)	4
Fundamentals of Economics	3	Elective	3
	16		16

YEAR IV

Analytic Philosophy (or Advanced Elective)	3	From Ancient to Medieval	3
Continental Philosophy (or Advanced Elective)	3	Philosophy of God or Philosophy of Religion	3
Senior Seminar	3	Senior Thesis	3
Elective	3	Elective	3
Elective	3	Elective	3
	15		15

THROUGH PLAN IN PHILOSOPHY

Braniff's Through Plan allows Philosophy majors to continue their studies, earning a B.A. and an M.A. in a shorter period of time. Up to two approved graduate courses taken during senior year may count toward the M.A.

Interested students should contact their undergraduate advisor and the Philosophy master's graduate director by the spring semester of their junior year.

Benefits of the program

- Competitive advantage when applying for Ph.D. programs or pursuing a career
- GRE and application fee waived

Plan Overview

See the Braniff Graduate School entry for all master's program details.

Senior Year Options

- Up to two graduate courses (6 credit hours)
- 3000-level language course with a final grade of B or higher

Master of Arts in Philosophy

- Comprehensive examination
- Thesis, 6 credit hours
- 24 additional credit hours, minus approved graduate credits taken during senior year

COURSES IN PHILOSOPHY

1301. Philosophy and the Ethical Life. Why philosophize? What is the best way of life? This course explores what philosophy is, why one should philosophize and how philosophy fits into (and perhaps makes possible) a consideration of ourselves as moral beings. The course explores, then, how philosophy addresses the quest for the right way of life and what we can know about it. In this way, the course represents a cornerstone of liberal education. Works to be covered include the whole of Plato's *Republic*, major parts of Aristotle's *Nicomachean Ethics* and texts from Thomas Aquinas exemplifying the Christian appropriation of ancient ethical thought. Fall and Spring.

2141. Philosophy Colloquium. A weekly forum for discussing philosophical topics not normally encountered in the first two years of undergraduate studies. Oral presentations selected for their interest and accessibility. Speakers include faculty members, visiting lecturers and students. Highly recommended for majors. Visitors are welcome. Graded Pass/No Pass. May be repeated. Fall and Spring.

2323. The Human Person. What does it mean to be human? Is there soul and, if so, what is it? In light of contemporary reductive materialism and its claims for the sufficiency of scientific naturalism, this course explores the relationship between nature and soul. In the classical philosophical understanding, the human person finds himself or herself in tension between the immanent spheres of nature (or body or history) and the call to a commitment to a transcendent dimension of reality—a transcendent dimension associated with *psyche*, *anima*, mind, or spirit. The investigation includes an account of the parts and powers of the soul, such as sense, desire, intellect and will. Readings feature texts by Plato, Aristotle, Augustine, Descartes and Nietzsche. Prerequisite: Philosophy 1301. Fall and Spring.

3311. Philosophy of Being. Is the universe an intelligible Whole or a chaos, an unintelligible aggregate of "All"? If the former, what are the origins of such intelligibility: is it founded in metaphysical structures of being, or in the ordering power of the human mind? Addressing these questions will take us a long way toward discover-

ing whether wisdom, conceived as the comprehensive understanding of reality in light of its first principles and causes, is available through philosophic inquiry. Such metaphysical considerations also open the door to reflection on the order of learning and on the unity of the arts and sciences. As students follow their curriculum into a major course of studies, this course offers the opportunity to wonder about the place of their disciplines within the broader consideration of being and wisdom. The course revolves around four key thinkers—Aristotle, Aquinas, Kant and Heidegger. Prerequisite: Philosophy 1301. Fall and Spring.

3329. American Philosophy. Study of major thinkers and trends in philosophy in the United States during the 19th and 20th centuries, such as Thoreau, Emerson, Peirce, James, Dewey, neo-positivism, analytic philosophy and American movements influenced by continental European philosophy. Offered as needed.

3332. Aesthetics. The philosophy of art and beauty. An examination of questions concerning beauty as a transcendental, artistic production, the work of art, the appreciation of art and beauty and the place of art in human life. Classical positions on these questions from Plato to Heidegger. Spring.

3334. Business Ethics. Analysis of moral issues in the contemporary business world from the viewpoints of major philosophical traditions. Topics such as: moral theories and the nature of business; obligations in business relationships; using principles and cases to guide business practices; contemporary corporate culture and its social context; justice in international trade.

3335. Philosophy of Education (Education 3335). Consideration of themes such as the nature of the student and of the teacher, goals of education, curriculum and methodology, the nature and division of knowledge, education and the common good. Inquiry is cast in the light of more fundamental considerations such as the nature of the human person, of mind, of being and of the good, chiefly through the study of classical texts of the Western philosophical tradition (e.g., Plato's *Republic* and Rousseau's *Emile*). Attention given to contemporary issues in education in light of these prior inquiries.

3339. Symbolic Logic. First-order symbolic logic including elementary treatment of completeness and consistency. Standard methods supplemented with special techniques, including tableaux. Introduction to advanced topics such as modality, multi-valued logics, formal semantics and alternatives in axiomatization and notation. Offered as needed.

The History Sequence aims to acquaint the student with the basic elements of the history of Western philosophy: its major authors, works, themes, and currents. Seeking an understanding of how philosophical traditions work, it asks how philosophers in the Western tradition have responded to major challenges by rethinking and reconfiguring their heritage. It explores the methodological claim that philosophy can attain a progressively clearer picture of its fundamental problems and their solutions only through a work of memory and retrieval by which it continually resituates its present in relation to its past. The study of origins in "From Ancient to Medieval Philosophy" plays an important role in this project, and is often reserved for the student's final semester.

3343. From Ancient to Medieval Philosophy. The development of Platonic and Aristotelian thought from their pre-Socratic origins through the twelfth century. Plato's attention to pre-Socratic thinkers and his fertile exploration of philosophical methods, styles, and ideas. The schools and systems of post-Platonic antiquity, especially Aristotle and Plotinus. Platonic thought in Hellenistic Judaism and in the formation

of the Christian intellectual tradition. The development of Platonic and Aristotelian themes by Jewish, Christian, and Islamic thinkers. The origins of scholasticism. Spring.

3344. From Medieval to Modern Philosophy. The changes in the understanding of philosophy and philosophical activity from the time of Europe's recovery of Aristotle (ca. 1200) until the conclusion of the first phase of the Scientific Revolution (ca. 1700). It explores the differences among and between the scholastic philosophers and the early modern empiricists and rationalists. Thinkers to be studied will include figures such as Thomas Aquinas, Duns Scotus, William of Ockham, Francis Bacon, René Descartes, and Benedict Spinoza. Topics to be investigated include the changing conceptions of the natural world, differing accounts of the human being and of human knowledge, alternative understandings of the divine, different interpretations of moral-political action, the changing relations between philosophy and science, and the competing accounts of the relations between philosophy and religious faith. Fall.

3345. From Modern to Postmodern Philosophy. The development of Western philosophy from the 17th to the early 20th century. Exploration of the contrast between empiricism (Locke, Hume) and rationalism (Spinoza, Leibniz, Wolff) as a background to Kant's "Copernican revolution." In-depth study of Kant's transcendental idealism, followed by a consideration of German Idealism—in particular, Hegel—as a response to Kant's critique of metaphysics. The rejection of German Idealism by figures such as Schopenhauer, Kierkegaard, and Nietzsche. The early Heidegger's attempt to revive the question of Being phenomenologically. Spring.

Continental and Analytic Philosophy are the two major strands in contemporary Western philosophy. Philosophy majors may choose between Philosophy 3346 and Philosophy 3347.

3346. Continental Tradition. The tradition of continental philosophy, like the analytic tradition with which it is usually contrasted, conceived twentieth-century thought as breaking with the past; unlike analysis, it mined the past to help differentiate philosophy from science, to articulate fundamental contingencies of human understanding and existence, and to reveal structures of consciousness other, and perhaps more basic, than logic. This course explores the origins and development of the continental tradition by considering its various strands (like phenomenology, structuralism, semiotics, existentialism, hermeneutics, critical theory, post-structuralism, and postmodernism) and their interactions. Fall.

3347. Analytic Tradition. What unifies recent styles of Anglo-American philosophy? One common (though controversial) answer is that they aspire to attain with regard to perennial philosophical problems the clarity and precision that characterize contemporary logic. This course offers a broad survey of the tradition of analytic philosophy, ranging from its origins in figures such as Russell and Wittgenstein to some ongoing debates in metaphysics, philosophy of language, philosophy of mind, epistemology, ethics, and metaethics. Fall.

3351. Junior Seminar. Extensive reading in the works of a single philosopher or philosophical movement, to be determined by the Department. Major objectives are to gain the habit of sustained philosophical discussion and to appreciate the breadth and depth of philosophical thought by concentrating on a single thinker or movement. The seminar format requires a research practicum resulting in a major paper, formal oral and written presentations and sustained discussion with fellow students and the seminar director throughout the course. Required of junior philosophy majors; others admitted with permission of the Chairman. Spring.

4331. Epistemology. The philosophy of knowledge. The critical problem as it developed in Western philosophy after Descartes. Metaphysical realism; a theory of

judgment and truth; symbol and myth in man's cognitive life; types of knowledge such as mathematical, poetic, historic, religious. Spring.

4333. Philosophy of Science. Study of the nature, methods and principles of modern science. Treatment of topics such as the nature of facts, laws and theories; the role of mathematics in science; explanation, description and proof; the philosophical presuppositions of realism and other approaches to nature; rationality of scientific change; philosophic problems posed by relativity and evolution. Offered as needed.

4334. Bioethics. Analysis of contemporary moral issues in the biomedical sciences and biotechnology from the viewpoints of major philosophical traditions. Treatment of topics such as moral theories and scientific knowing; ethical questions and principles; stages of moral development and the law of reason; realists, relativists, determinists, emotivists; moral dilemmas; axiology; obligations in the healing relationship; ethical "work-up" procedures. Spring.

4335. Philosophy of Language. Study of the nature and kinds of language, with particular attention to syntactical, semantic and logical characteristics. Examination of major past and contemporary theories. Offered as needed.

4336. Ethics. Systematic treatment of ethics and morality with an overview of major ethical theories. Treatment of topics such as the nature and categories of human motivation; the nature of values and moral values; dimensions of human freedom; human acts as bearers of morality; the sources and forms of moral goodness, moral evil and moral obligation; evaluations of major theories; specific nature of Christian ethics. Fall.

4337. Philosophy of God. Religious experience and its explication in natural theology. Historical factors in the development of the Philosophy of God. Speculative and practical proofs of God's existence; the nature of God. The contemporary challenge, especially from naturalism, positivism and language philosophy. The relations between God and the world. Fall.

4338. Philosophy of Religion. The tasks of the philosophy of religion as distinguished from the philosophy of God. Nature of religious experience; theories about the origin of religion and their critiques. Major issues in the study of religion such as: the relationship between religion and morality; natural and supernatural religion; subjective and objective elements in religion; man's eternal quest of God through religion; the ordination of man to God. Spring.

4339. Information Ethics. The digital revolution is a further step in the exteriorization of human thought and memory: ideas and information are no longer shared simply in the medium of speech (as in oral cultures), in handwriting (as in literate cultures that employ scrolls or manuscripts), or in print (as in the world after Gutenberg), but rather through digital storage devices and screens. What are the effects of this transition for the human mind and for society? How does digitalization affect human activities and their evaluation, ranging from teaching and learning to war? Are we seeing the rise of a new subjectivity, one devoid—for example—of a private sphere and personal agency? Offered as needed.

4340. Thomas Aquinas. Synthetic consideration, based on primary texts, of Thomas Aquinas's philosophy in several of its dimensions, such as metaphysics, natural theology, anthropology, ethics, and epistemology. Offered every other year.

Senior Seminar and Senior Thesis are the capstone courses of the Philosophy Department. Senior Seminar has the purpose of bringing the fruits of the students' philosophical education to bear on a significant philosophical issue or problem, often of particular contemporary relevance. Senior Seminar leads to the development of subjects for the students' individual senior theses, under the umbrella of the Seminar's general topic.

4341. Senior Seminar. Intensive study of a philosophical problem or issue, to be determined by the department. Seminar format with discussions and presentations. Beginning of the preparation of the senior thesis due in the spring of the senior year. Required of senior philosophy majors. Fall.

4342. Senior Thesis. A continuation of 4341 required of philosophy majors in the spring semester of the senior year. Completion of the senior thesis in consultation with the instructor to discuss and evaluate work in progress. Presentation of the senior thesis in the department's annual Senior Conference (after spring break). Prerequisite: Philosophy 4341. Spring.

4350–4359. Special Courses. Established according to the interests of professors and the desires of students. Advanced students only. As needed.

4360. Directed Readings and Research. Special programs of inquiry, approved by the Chairman, determined by mutual consent of student and professor. For advanced students only. Offered as needed.

5311. Philosophy of Law. The concept of right and its different kinds; the moral law and its ground; the positive law of the state and the authority on which it is based; the a priori foundations of civil law; legal and moral punishment. Offered as needed.

5321. Philosophy of History. The nature of historical knowledge and the problem of historical interpretation. Great theories of history, both classic and contemporary. Christian and pagan views. Offered as needed.

5332. Philosophy of Technology. Since the advent of industrialization it has become clear that modern technology is not simply tools and instruments, nor merely the application of scientific principles to human practice and production in fundamental ways. This course examines the nature and scope of technology with the aim of understanding its contemporary manifestations and their causes.

5341. Asian Thought. A study of three leading traditions of Asian thought: Hinduism, Chinese thought and Buddhism. Texts selected from Hinduism may include the *Rig Veda*, the *Upanishads*, the *Bhagavad Gita*; from Chinese thought works of Confucius, Mencius, Lao-tzu; and from Buddhism selections from the Hinayana and Mahayana traditions. Secondary literature on the historical, cultural and linguistic background of these traditions. The role of Asian thought in thinkers like Nietzsche and Heidegger. As needed.

5361. Scholastic Tradition. An overview of Scholastic thought with a study of selected major figures and works from the medieval to the contemporary world. Offered as needed.

5371. Phenomenological Tradition. The origins of phenomenology and the achievement of Husserl; the ideal of returning to the "things themselves"; the division between realist and transcendental phenomenology; the relation of phenomenology to the Western tradition of metaphysics. Offered as needed.

5381–5389. Senior/Graduate Elective. Offered according to the interests of professors and the needs of students. Enrollment is open to advanced undergraduate and beginning graduate students, with the approval of the Chairman. Offered as needed.

Physics

FACULTY

Chair and Professor Hicks; Professor Olenick; Assistant Professor Moldenhauer

Physics derives its name from the Greek word for nature and the goal of physics is to seek the fundamental nature of things. Resting upon a broad empirical basis, physics continues to thrust mankind into the unknown. The objectives of the Department of Physics center on developing in its students a critical understanding of physical phenomena, an intuition into how nature acts and a facility to analyze various physical aspects of the world. The Department aims to prepare its students for future careers as scientists through submissions to the discipline of the past and present. Physics was and remains a vibrant part of our Western heritage.

The major in Physics combines a firm grounding in the liberal arts and mathematics with a solid foundation in the sciences. A broad theoretical basis encompassing classical mechanics, electromagnetism, statistical physics and quantum mechanics is supported by extensive laboratory experience in electronics, optics and atomic and nuclear physics. The dynamic interplay of theoretical studies and hands-on laboratory experience forms the core of the program. Seminar courses in current topics as well as advanced courses in astrophysics, condensed matter physics and nuclear and particle physics round out the curriculum and introduce students to modern questions confronting physics.

Students are encouraged to participate in the experimental and theoretical research programs of the department either through work with one of the professors in the department, or REU programs sponsored by the National Science Foundation. Research programs in the department range from experimental nuclear physics to observational astronomy and theoretical astrophysics and cosmology to computational physics to physics education.

An undergraduate degree in physics opens many doors to further studies in a variety of fields as well as in industrial employment. Most of our graduates proceed to graduate programs and are well prepared for research in physics. Teaching, applied mathematics, engineering, or other related sciences are also possible career choices. Many graduates have pursued careers in law and medicine.

The Department is housed on the ground level of the Patrick E. Haggerty Science Center. The physical facilities for the department include separate laboratories for quantum physics, electronics and optics, as well as for introductory courses. An electronics repair shop and machine shop are maintained by the department.

The advanced laboratories are equipped with up-to-date instrumentation including the following: a multichannel analyzer, NaI detectors, and electronics modules for nuclear measurements, an x-ray apparatus for crystallography, semiconductor logic sets for electronics, and interferometers and spectrometers for optics.

The Department maintains the Haggerty Observatory which contains several telescopes. A 16-inch computerized Cassegrain telescope equipped with research grade CCD camera is housed in the 5-meter dome and is available for student research projects. A new, dark site observatory was added to the Department in 2010.

ENGINEERING

The University of Dallas offers a dual degree program in Electrical Engineering and Physics in collaboration with the University of Texas at Arlington. Students entering this program receive the advantages offered at a liberal arts college, along with the technical expertise offered in a professional engineering program. For more infor-

mation see the Dual-Degree Electrical Engineering Physics section of this bulletin. Physics, Chemistry, Math, and Computer Science programs offered at the university provide students with an excellent foundation for graduate studies in other areas of engineering as well.

Graduate Engineering programs in a variety of areas are eager to receive applications from UD graduates. The undergraduate major selected should be directed by the area of Engineering of interest.

BASIC REQUIREMENTS FOR MAJOR

Physics 2311, 2111, 2312, 2112 (General Physics I and II) and 24 advanced credits in Physics that are selected in consultation with the Physics Department are required for the **B.A. in physics**. The courses that compose the 24 advanced credits regularly include Physics 3320 (Quantum Physics), 3120 (Quantum Laboratory), 3326 (Statistical Physics), 3341 (Optics), 3141 (Optics Laboratory), 3363 (Computational Physics), 4423 (Theoretical Mechanics), 4424 (Quantum Mechanics) and 4327 (Electromagnetic Theory).

In addition, Chemistry 1303, 1103, 1304, 1104 and Math 1404, 1411, 2412 and 3324 are required. Math 4315 is a suggested elective. Knowledge and use of computers is expected. Physics seminar is recommended for juniors and seniors. Physics majors are encouraged to take Philosophy 4333 as an elective. All students are required to pass written and oral *comprehensive exams* in the last year of their undergraduate studies. These exams cover topics of all required courses in physics for the B.A. or B.S. degree.

Students who need four semesters to satisfy the language requirement should take History 1311 and 1312 in the freshman year and start Language 1301 and 1302 in their junior year continuing with Language 2311 and 2312 in their senior year. Students who place at the intermediate level in foreign language should complete the language requirement during their freshman year and start Chemistry 1303/1103 and Chemistry 1304/1104 their junior year. As part of the undergraduate core requirement physics majors must submit credit for one life science laboratory course. Students considering majoring in Physics should apply to the O'Hara Chemical Sciences Institute (see Chemistry) to take General Chemistry I and II in the summer before the freshman year.

For a **B.S. degree in physics**, 12 additional hours in physics (or related field) are required, including a research project. Thesis research can count as 6 or fewer credit hours of the 12 additional hours. A senior thesis and a paper presented on the research project at a professional meeting are additional requirements for the B.S. degree. Since most students pursue the B.S. degree, that suggested sequence follows. Physics courses of Years III and IV will be offered in alternate years.

Suggested Sequence of Courses for Physics Major

YEAR I

Physics 2311	3	Physics 2312	3
Physics 2111	1	Physics 2112	1
Chemistry 1303	3	Chemistry 1304	3
Chemistry 1103	1	Chemistry 1104	1
Mathematics 1404	4	Mathematics 1411	4
English 1301	3	English 1302	3
	15		15

YEAR II (Rome)

Physics 3320	3	English 2311	3
Physics 3120	1	Theology 2311	3
Mathematics 2412	4	Philosophy 2323	3
Elective	3	History 2301	3
Philosophy 1301	3	Art History	3
Theology 1310	3		15
	17		

YEAR III

Physics 4423	4	Physics 4424	4
Physics 3363	3	Physics 3333	3
Mathematics 3324	3	Physics 3133	1
History 1311	3	Math Elective	3
Philosophy 3311	3	Elective	3
	16	Economics 1311	3
			17

YEAR IV

Physics 3326	3	Physics 3341	3
Physics 4153	1	Physics 3141	1
Physics 4327	3	Physics 4328	3
Politics 1311	3	Elective	3
History 2302	3	Life Science	3
Language 2311	3	Language 2312	3
	16		16

COURSES IN PHYSICS

1301–1101. Basic Ideas of Physics. The development of a conceptual understanding of fundamental physical aspects of the universe ranging from classical physics to the forefront of modern research. The distinct contributions that physics makes to the understanding of the physical universe, along with the nature and limitations of scientific inquiry. The empirical basis of physics, analytical and laboratory methods and the conceptual reasoning used to formulate physical models. Three lectures, one laboratory weekly. Fall.

2302–2102. Introductory Astronomy. An exploration of wide-ranging astronomical phenomena and conceptual understanding of the dynamics of the universe ranging from stellar evolution and comparative planetology through galactic models and cosmology. An emphasis is placed on how astronomers gain scientific knowledge of the cosmos, how they construct models, the creative imagination in science and mankind's relation to the cosmos. Students engage the empirical basis of astronomy, conceptual reasoning and analytic methods used to formulate astronomical models and laboratory methods exploring data acquisition and analysis. Three lectures, one laboratory weekly. Spring.

2303–2103. Physics and Technology. An introduction to modern physics and science that reviews analytical techniques, historical perspectives and contemporary technologies. The course examines scientific problem solving, Newtonian physics, quantum physics and nanoscience. Intellectual property issues and emergent technologies likely to dominate our world for the next 50 years are addressed. Three lectures, one laboratory weekly. Fall.

2305–2105. General Physics I (Trigonometry) Class, Laboratory and Quiz. Algebra and trigonometry-based introductory course primarily for pre-med biology students. The course includes topics and applications of physics to the health sciences and covers kinematics and dynamics, the conservation laws, fluids and waves. Three lectures and one three-hour lab per week.

2306–2106. General Physics II (Trigonometry) Class, Laboratory and Quiz. Algebra and trigonometry-based introductory course primarily for pre-med biology students. The course includes topics and applications to the health sciences and covers electricity, magnetism, optics and atomic and nuclear physics. Three lectures and one three-hour lab per week.

2311. General Physics I (Calculus). Calculus-based introductory course focusing on the principles and laws of mechanics with emphasis given to kinematics, Newton's laws and the conservation laws. Both physical insight and the ability to solve problems are stressed. Prerequisite (or concurrent enrollment in): Mathematics 1404. Three lectures per week.

2312. General Physics II (Calculus). Calculus-based introductory course focusing on the phenomena and principles of electricity, magnetism and optics. Prerequisite (or concurrent enrollment in): Mathematics 1411. Three lectures per week.

2111. General Physics I (Calculus) Laboratory and Quiz. Weekly problem session on mechanics along with laboratory experiments. Experimental studies of topics covered in mechanics that parallel discussions in the lecture. Emphasis on microcomputer-based laboratories (MBLs) and analysis. One three-hour session per week.

2112. General Physics II (Calculus) Laboratory and Quiz. Weekly problem session on electricity, magnetism and optics along with laboratory experiments. Experimental investigations of topics covered in electricity, magnetism and optics that parallel lecture discussions. One three-hour session per week.

3110. Instrumentation. Introduction to digital electronics and a background on fundamentals of analog electronics, data acquisition systems and on the instrumentation commonly used in research laboratories.

3120. Quantum Laboratory. Introduction to experimental techniques and error analysis in the fields of atomic and nuclear physics. Investigations include Planck's law, atomic spectroscopy, the speed of light, the photoelectric effect, the Franck-Hertz effect and nuclear statistics.

3133. Electronics Laboratory. Investigations of analog and digital electronics with applications to integrated circuits and computer interfacing.

3141. Optics Laboratory. Experimental studies of thick lenses, interference, diffraction, Fourier spectroscopy, Fabry-Perot spectroscopy, holography.

3262. Astronomical Image Processing. Digital signal processing as applied to astronomical images. Students explore what makes good images, characteristics of CCD cameras, calibration of images and error reduction with hands-on experience in astrometric, photometric and spectroscopic measurements as well as in the manipulation and enhancement of images. In addition, students gain experience in using convolution kernels and filter and masking in frequency space.

3320. Quantum Physics. An introduction to the physics of the twentieth century that surveys developments in relativity theory, wave-particle duality, atomic structure, wave mechanics and nuclear theory.

3326. Statistical Physics. Fundamentals of basic probability theory and statistical mechanics with application to heat, thermodynamics, kinetic theory of gases and quantum statistics.

3333. Electronics. Fundamentals of analog and digital electronics with emphasis on proven techniques of instrumentation for scientific research. The physical principles and properties of electronic components and circuits and the logical design of digital systems are discussed.

3341. Optics. Investigations of optics with emphasis on wave optics. Topics include geometrical optics, interference, Fraunhofer and Fresnel diffraction, polarization, holography and non-linear optics.

3363. Computational Physics. An introduction to the use of computers for modeling physical systems. Topics covered include motion with resistive forces, orbital mechanics, coupled oscillations and waves, electric and magnetic field plotting, chaotic systems, Monte Carlo simulations, percolation theory and fractals.

4120. Advanced Laboratory. Applications of experimental techniques to fundamental physical phenomena in atomic and nuclear physics. Advanced topics include crystallography, Zeeman effect, Fourier spectroscopy, nuclear spectroscopy, X-ray scattering and neutron activation analysis.

4153–4154. Physics Seminar. Weekly seminar by a member of the Physics Department with lectures and discussions covering a specific topic in current research. Requirements are set by the instructor but will include an oral presentation by each student.

4327. Electromagnetic Theory. Introduction to vector analysis and boundary-value problems. Phenomenological foundations and mathematical descriptions of electrostatics and magnetostatics, the behavior of dielectrics, conductors and magnetic materials leading to the Maxwell equations.

4328. Electrodynamics. Postulates and measurements in special relativity introducing four-vectors with applications in dynamics. Covariant formulation of Maxwell's equations, transformations of the electromagnetic field, wave propagation, wave guides and cavities, dipole radiation, Lienard-Wiechert potentials, synchrotron radiation.

4423. Theoretical Mechanics. An advanced treatment of Newtonian mechanics with applications to forced oscillations, central force motion and non-inertial reference frames. Introduction to tensors as applied to rigid body motion. Conservation theorems applied to small oscillations and stability leading to Lagrangian and Hamiltonian formulations of mechanics.

4424. Quantum Mechanics. Introduction to the formal structure of quantum mechanics. The non-relativistic wave equation and solutions of one- and three-dimensional systems. Linear vector spaces and operators, matrix mechanics and transformation equivalences. Generalized angular momentum and solutions of hydrogenic atoms. Approximation methods and applications.

4V43–4V44. Research Experimental. Supervised experimental research open only to physics majors. Topics in experimental investigations and requirements are set by the instructor but include a paper based upon the laboratory experience and an oral presentation of the paper to the faculty and students of the department.

4V45–4V46. Research Theoretical. Supervised theoretical research open only to physics majors. Topics in theoretical investigations and requirements are set by the instructor but include a paper based upon the research experience and an oral presentation of the paper to the department.

4V61–4V62. Independent Studies. An opportunity to examine in depth any topic, experimental or theoretical, within the field of physics. It involves individual study under the guidance of the instructor.

One of the following courses may be selected for the physics major core:

4364. Nuclear and Particle Physics. General properties of the nucleus; the two-nucleon problem, radioactivity, interaction of charged particles and radiation with matter, detection methods, accelerators; fundamental particles and their interactions; symmetries and conservation laws, quark theory, grand unified theories and supersymmetry.

4365. Condensed Matter Physics. Models of the crystalline structure, lattice vibrations, specific heat, free electron gas, energy bands, semiconductors, superconductivity and magnetic materials.

4366. Astrophysics and Cosmology. Emphasis on the underlying fundamental mechanical, electromagnetic and quantum mechanical processes in astrophysics and cosmology. Topics include stellar evolution with emphasis on stellar structure and modeling, pulsars, black holes, galactic formation and structure, nucleosynthesis and cosmological models.

3V68–4V68–4V69. Special Topics in Physics. Special topics of current research in physics that vary according to student interest.

5311. Kinematics and Dynamics for Teachers. Covers motion, graphical and analytical representations of motion, Newton's laws and gravitation. Use of inquiry-based methods of instruction and interactive probes (LabPros, etc.) are integrated into the course.

5312. Energy and Waves for Teachers. Explores the types of energy, conservation laws, the types of mechanical waves and sound. Findings from research in physics education are applied in the course as well as the development of modeling strategies.

5313. Electricity and Magnetism for Teachers. Encompasses ideas from electrostatics, direct current, alternating currents and radiation. Inquiry-based approaches, such as CASTLE, are implemented in the course.

5V68, 5V69, 5V70, 5V71, 5V72. Special Topics in Teaching Physics.

Applied Physics Concentration

DIRECTOR
Professor Hicks

Students at the university may find that traditional departmental boundaries are not adequate to describe the breadth of their interest, especially when post-baccalaureate plans are considered. Though they may choose to major in Mathematics or Philosophy or Biology, they may also have an interest in bolstering their education with further applications of the ideas and models of physics. In addition, a student who seeks secondary certification with a science composite would find the Applied Physics Concentration useful in fulfilling the certification requirements. The concentration in Applied Physics seeks to provide students the opportunities to pursue new studies that relate to their major and life interests.

The concentration consists of six courses and associated labs. The core courses in the concentration are General Physics I and lab, calculus or trig-based, General Physics II and lab, calculus or trig-based and Computational Physics.

Two courses may be selected from the following

PHY 2302-2102. Introductory Astronomy.

PHY 3320/3120. Quantum Physics and Lab.

PHY 3341/3141. Optics and Lab.

PHY 3333/3133. Electronics and Lab.

PHY 4327. Electromagnetic Theory.

OR a 4000-level course in **Astrophysics, Condensed Matter Physics, Biophysics, or Nuclear Physics.**

The *sixth* course is an elective from a field other than physics that allows the student to tailor the concentration to his or her own interests. Possible choices include the following or an elective approved by the Director.

CHE 3331. Physical Chem. I.

CHE 3320. Inorganic Chem. II.

ECO 3328. Econometrics.

MAT 4315. Applied Math I.

MAT 3326. Probability.

EDU 4346. Principles of Secondary Education

EDU 5352. Educational Evaluation.

BIO 3345. Biostatistics.

BIO 3335. Biochemistry I.

BIO 3331/3131. Physiology.

PHI 4333. Philosophy of Science.

PHI 4334. Bioethics.

Electrical Engineering Dual Degree Program

DIRECTOR
Professor Hicks, Physics

Students entering UD as physics majors have the opportunity to pursue a cooperative degree in electrical engineering through the University of Texas at Arlington (UTA) Electrical Engineering (EE) Department. The dual degree program is designed for the well-prepared student to be able to complete two degrees, a B.A. in physics from UD and a B.S. in EE from UTA, in five years. Students take classes from both institutions beginning their freshman year. This allows students to determine early in their undergraduate education that they desire to be an electrical engineer who combines their engineering education with a firm grasp of the Western intellectual tradition, to have extensive reading and writing abilities, and to understand the physical nature of our world, which are characteristics offered by the completion of the physics degree at UD. This dual degree program also offers the liberally educated UD student the opportunity to understand the advances in technology offered by the UTA EE Department – a department that believes, “more than ever, EE demands a multidisciplinary approach to address challenges of the future and problems of today,” and it demands that engineers must have the ability to communicate well their ideas to others. It is the goal of this program to educate liberally engineers and physicists who meet these challenges.

The entrance requirements for this dual program are the same as the entrance requirements for a physics major at UD. Students must complete the physics comprehensive examination at the University of Dallas before obtaining a B.A. from UD. Students wishing to obtain a B.S. in physics must satisfy the additional UD physics B.S. requirements.

Non-curricular student responsibilities in the UTA/UD Dual Degree Program:

- Apply and obtain admission to both programs by the stated deadlines
- Provide UD with copy of admission to UTA Electrical Engineering program
- Submit a FAFSA and any other requested financial documentation if applying for need based aid
- Register for the appropriate classes at each institution
- Meet with advisor each semester at both institutions
- Follow all applicable rules and regulations of both campuses while enrolled
- Follow withdrawal protocol of each school if intention to withdraw occurs.
- Notify both schools if complete withdrawal is required
- Notify both schools of change of address or demographic information
- Pay semester/term balance in full at each institution by required deadline
- Student is responsible for transportation/transportation costs between campuses
- Student is responsible for obtaining and meeting Merit Scholarship requirements. Merit Scholarship funds will be applied to tuition charges only.
- Sign the Information Release Authorization form.

BASIC REQUIREMENTS FOR THE DUAL DEGREE PROGRAM[#]**Year 0 (O'Hara Chemistry)**

Chemistry 1303/1103	4
Chemistry 1304/1104	4
	8

Year 1 (UD and UTA)

English 1301	3	Language 2312	3
Physics 2311/2111	4	Physics 2312/2112	4
Mathematics 1404	4	Mathematics 1411	4
Language 2311	3	Computer Science 1311 (UTA)	3
Theology 1310	3	EE 1104 (UTA)	1
	17	EE 1105 (UTA)	1
		EE 1106 (UTA)	1
			17

Year 2 (UD, UTA, and Rome)

English 1302	3	English 2311	3
Philosophy 1301	3	History 2301	3
Mathematics 2412	4	Philosophy 2323	3
EE 2441 (UTA)	4	Theology 2311	3
Physics 3320/3120	4	Art 2311	3
	18		15

Year 3* (UD and UTA)

Mathematics 3324	3	Physics 4424	4
Physics 4423	4	Physics 3333/3133	4
Physics 3363	3	History 2302	3
Philosophy 3311	3	EE 2415 (UTA)	4
Economics 1311	3	EE 2347 (UTA)	3
	16		18

Year 4* (UD and UTA)

Physics 3326	3	Physics 4328	3
Physics 4327	3	Physics 4153	1
Politics 1311	3	Biology Core	4
EE 3446	4	EE 3330 (UTA)	3
EE 3417	4	EE 3318 (UTA)	3
	17	EE Core (UTA)	3
			17

Year 5 (UTA)

History 1311 (UTA)	3	History 1312 (UTA)	3
EE 4340 (UTA)	3	Politics 2312 (UTA)	3
Engineering Elective (UTA)	3	EE 4349 (UTA)	3
EE Core Elective (UTA)	3	EE Elective (UTA)	3
EE Elective (UTA)	3	Communication 2302 (UTA)	3
	15		15

* The UD physics courses offered during the 3rd and 4th year will be offered in alternate years.

[#] EE requirements are subject to change by the Electrical Engineering Department at UTA, as are graduation requirements for the B.S. in Electrical Engineering.

Politics

FACULTY

Chair and Associate Professor Dougherty; Professor Emeritus L. P. de Alvarez; Professors Parens (Philosophy) and Wolfe; Associate Professors Culp, Miller and Upham; Assistant Professor Burns

Politics is the activity of the *polis* (city), as athletics is the activity of the athlete. The *polis*, according to Aristotle, is the association whose purpose is the complete life. Politics, therefore, includes all the activities whose end is the complete human life. Political philosophy is the reflection upon or the attempt to understand the nature of these activities. Political philosophy, therefore, as understood at the University of Dallas, is a philosophical discipline concerned with the whole range of human actions to be found in the context of the polis.

Specifically, the department has the following objectives:

First: The general purpose of the department is to promote a critical understanding of political phenomena, an understanding of the nature of political life and its relation to human life as a whole. Accordingly, courses are designed to present conflicting points of view on a great variety of important political questions. Sustained and systematic analysis of how philosophers, statesmen and poets—ancient as well as modern—have answered these questions enlarges intellectual horizons and cultivates analytical and critical skills. Readings are therefore selected with a view to engaging the student in controversy, for controversy is of the essence in politics.

Second: The department seeks to promote enlightened and public-spirited citizenship. This requires understanding of the principles and purposes of our regime, as well as some personal involvement in, or commitment to, the larger political community. One of the distinctive features of the department is its emphasis on American statesmanship and the great controversies which have reflected and shaped the character of our people. The curriculum attempts to relate the political, legal and philosophical aspects of our heritage to contemporary questions.

Third: Together with the other liberal arts, the department seeks to promote civility. Civility requires, first, the capacity to appreciate what is to be said on diverse sides of an issue. Secondly, it requires a capacity to participate in serious dialogue, which in turn requires seriousness about the ends of learning and the ends of action. Finally, civility requires some degree of detachment from contemporary affairs, for total involvement in the present narrows and distorts our vision.

Fourth: The department seeks to preserve the great tradition of political wisdom, theoretical and practical, against modes of thought which assail or abandon it. This requires an understanding and critique of these various modes of thought.

Fifth: The department tries to prepare some students for active political life. This requires the study of politics from the perspective of the statesman as well as from the perspective of the citizen.

Sixth: The department seeks to prepare some students for graduate study in political science, or for training in the professional fields of law, public administration, diplomacy and related fields.

BASIC REQUIREMENTS FOR POLITICS MAJOR

Students who major in Politics are required to take 36 credits (12 courses): Principles of American Politics (1311), Political Regimes (3312), Plato's Republic (3331), Aristotle's Politics (3332), Enlightenment (3334), Senior Seminar (4351) and six advanced Politics electives (3000-level or above), at least one of which must be in

American politics. All Politics majors, including transfer students, are required to take Politics 1311. Majors must also pass a comprehensive examination. Instructions for senior comprehensives are posted at www.udallas.edu/politics. In preparation for the Senior Seminar (4351), majors should complete eight politics courses by the end of their junior year, if possible. Students considering a major in Politics should consult with the Chairman or a Politics professor as soon as possible concerning their program of studies.

Suggested Sequence of Courses for Politics Major

YEAR I

English 1301	3	Theology 1310	3
History 1311	3	English 1302	3
Language 1301 (or 2311)	3	History 1312	3
Philosophy 1301	3	Language 1302 (or 2312)	3
Politics 1311	3	Economics 1311 or Math	3
	15		15

YEAR II (during Sophomore Year)

English 2311–2312	6
History 2301–2302	6
Philosophy 2323	3
Theology 2311	3
Language (or Electives)	6
Politics 3312, 3331 or	
Politics Elective	3
Fine Arts	3
	30

YEAR III

Politics 3312 or 3331	3	Politics 3332	3
Politics Electives	6	Politics 3334	3
Economics 1311 or Math	3	Politics Elective	3
Elective	3	Science	4
	15	Elective	3
			16

YEAR IV

Politics 4351	3	Science	3
Politics Elective	3	Politics Electives	6
Philosophy 3311	3	Electives	6
Electives	6		15
	15		

COURSES IN POLITICS

1311. Principles of American Politics. A study of the basic principles of the American political order and their implications for current political practice, viewed in the light of alternative views of justice and human nature. Readings include the Declaration of Independence, the U.S. Constitution, The Federalist, other original documents from the founding era and later, Tocqueville's *Democracy in America* and contemporary writings. Fall and Spring.

3312. Political Regimes: Ancients, Christians and the Advent of Modernity. An examination of ancient, Christian and modern conceptions of the human soul, morality and the political order. Focuses on the works of Plutarch, St. Augustine and

Machiavelli. Special attention is paid to the different analyses of the Roman Republic and the Empire and the ways of life found in each. Fall and Spring.

3323. Constitutional Law. A study of the Constitution and the manner in which its text has been interpreted, primarily by the Supreme Court. The focus is on the way the people have, through the Constitution, delegated different powers and responsibilities to the states and the three branches of the federal government. Fall.

3324. Public Policy. Consideration of how public policy is made and several prominent contemporary issues, such as global warming, immigration and the problems of poverty and equality. Alternate years.

3325. American Foreign Policy. Considers fundamental documents and speeches of statesmen on American foreign policy. Case studies provide a point of departure for inquiry into such topics as the conflict between communism and constitutional democracy, the role of morality in international affairs and the relation between domestic and foreign politics. Case study topics may include the American Founding, the Mexican-American War, the Civil War, the Spanish-American War, World War I, the Cold War and the War on Terror. Spring.

3326. The Presidency. A study of the constitutional design and practical operation of the American presidency. The selection of presidents, the rise of the modern presidency, the character of executive power and the nature of democratic leadership will be examined. Alternate years.

3327. Civil Liberties. A study of civil rights in the American regime, with a focus on Supreme Court cases on the Bill of Rights and Fourteenth Amendment. A major theme is the contrast between the current liberal and conservative conceptions of civil rights and the conception of the Founders and their successors. Spring.

3328. Congress. An examination of the national legislative process, comparing the understanding at the Founding with the reconstitution of this process in the 20th century. Emphasis on the contemporary Congress, with special attention to its internal organization, its major procedures (including the ordinary legislative process as well as the budget process) and how the embrace of administrative power in the New Deal period and beyond has changed both the form and politics of the legislative process. Alternate years.

3329. Politics and Parties. An examination of the role of political parties in an extended, republican government. Special attention will be paid to the founding generation's dispute over parties, Martin Van Buren's contribution to the establishment of an enduring two-party system, the forms and norms of that system, as well as subsequent reforms intended to weaken or supplant the parties' influence over government. Alternate years.

3330. Public Law and Administration. The purpose of this course is to study the development of what is commonly called the "administrative state" and assess its relation to the Constitution and the development of American political thought. Recent developments in administrative law and the theoretical underpinnings of those developments will be considered.

3331. Plato's Republic. The Socratic method in politics studied through a careful reading of the Republic, the seminal book in political philosophy in the Western tradition. An adequate approach to the dialogue form is emphasized in the interpretation. Fall and Spring.

3332. Aristotle's Politics. A careful reading of the fundamental work on politics. Aristotle is said to have systematized and made more practical the philosophic

speculations of Socrates and Plato. Discussion of the extent to which this is true and why Aristotle's work remains fundamental to the understanding of political life. Fall and Spring.

3333. Political Philosophy in the Middle Ages. A consideration of the leading thinkers, with particular emphasis on the possible conflict between faith and reason and the various proposed resolutions of the "theological-political problem." Selections from Islamic, Jewish and Christian authors. Alternate years.

3334. The Enlightenment and Liberal Democracy. A treatment of early modern political philosophy. Writers discussed typically include Hobbes, the founder of modern natural law and natural right; Locke, the philosopher of the constitutional republic of the American Founding; and Rousseau, who revolted against the Enlightenment in the name of community, virtue and philosophy. Fall and Spring.

3335. Modernity and Post-Modernity. An examination of several leading post-Rousseauian thinkers, such as Kant, Hegel, Marx, Mill, Nietzsche, Heidegger and Leo Strauss. The theme of the course will be the abandonment of natural right in late modern thought; the turn to History as a possible standard of right; then the crisis that ensues when history proves to be unable to provide standards. Alternate years.

3336. Comparative Politics. Comparative Politics is the study of domestic political phenomena. It studies and compare politics in different countries in order to arrive at more general knowledge about the nature of politics — including topics such as the varieties of democracy and of dictatorship and the economic, social, and historical causes of those varieties. The class will cover a variety of topics and will draw on case studies of countries such as the United States, Great Britain, Russia, China, India, Iran, Nigeria, and others. Alternate years.

3338. Marxism and Russia. A survey of selected writings of Marx and Lenin, followed by consideration of the former Soviet regime and of post-Soviet Russia. A major theme of the course is the nature of modern tyranny and the prospects for its return. Alternate years.

3339. International Politics. A study of politics among nations that focuses on the contemporary international setting. Readings from primary and secondary sources on topics such as the future of international relations, the moral basis of politics among nations, diplomacy, multi-national institutions, military and security policy and the relationship between regime type and international action. Alternate years.

3340. Globalization. An exploration of some of the fundamental political, economic and cultural dimensions of globalization and critical evaluation of a number of particular controversies to which globalization has given rise. The course's main objective is to enable students to form independent judgments concerning what globalization is, what is causing it, where it is headed and what should be done about it.

3342. Political Philosophy and the Family. Classical, early modern and late modern understandings of the nature and role of the family in the political association. Special attention will be paid to the influence of these ideas in the formation of the American family in the founding period, as well as its reformation in the twentieth century and beyond at the behest of progressivism, feminism and Freudianism. Annually.

3358. The American Founding. The Founders' understanding of politics and human life will be studied through original documents, especially those of statesmen and elected bodies acting in their official capacity. Themes will include the Founders' understanding of equality, liberty, natural rights, consent, public policy, nobility, hap-

piness and the structure of national and state government. Liberal and conservative critiques of the Founders will also be considered. Alternate years.

3360. Lincoln and His Times. A study of political thought of Abraham Lincoln, along with related material from politicians and others who opposed or supported Lincoln's understanding of American political principles. Excerpts from the Lincoln-Douglas debates will be read, along with major Lincoln writings and speeches. Writings of slavery defenders such as John C. Calhoun and additional material showing the range of ideas in the early 19th century, will be studied, but the main focus will be on Lincoln, the problem of slavery and the philosophic basis of the American regime. Alternate years.

3362. Twentieth Century American Politics and Policy. Examines the impact of progressivism on twentieth century domestic policy making, focusing upon the movement away from the founding generation's conception of limited government in favor of a far more extensive conception of state power. Some attention will be paid to the philosophic roots of this change, but the main focus will be on the implementation of this change in practice during the Progressive Era, the New Deal the Great Society and beyond. Annually.

3368. Catholic Political Thought. The purpose of this course is to understand the Church's teaching concerning the nature and purpose of political society and concerning the relationship between the Church and the political order. The course covers the chief political concerns of St. Augustine and St. Thomas, the struggles between the papacy and temporal authority through the Middle Ages and the Reformation and the relationship between Catholic teaching and modernity. Some or all of the following will be addressed: the application of natural law teaching; the relationship between natural law and natural rights; forms of regimes; the common good; toleration; Catholicism and democracy; Catholicism and capitalism. Alternate years.

4311. Thucydides: Justice, War and Necessity. A careful reading of Thucydides' History of the Peloponnesian War. The themes of the course include Thucydides' account of international relations, the justice of imperialism, the connections between foreign and domestic politics, rhetoric and the grounds of politics in necessity and morality. Alternate years.

4350. Aristotle's Ethics. The ethical basis of political life as it comes into sight through a study of the Nicomachean Ethics. Alternate years.

4351. Senior Seminar. Course is designed to bring together in a comprehensive manner many of the themes and issues addressed in particular courses within the major. Some new texts, or new authors, may also be examined, with the purpose of comprehending the interplay of texts and authors that has marked the movements of thought in the Western world. The seminar culminates in the Senior Project, a written and oral presentation on a topic related to the course.

4352–4353–4354–4355. Special topics. Courses offered according to the interest of students and availability of professors.

4V61. Independent Research. An opportunity to examine any topic, problem, or work within the discipline of political science. Content determined by consultation with the instructor. Prerequisite: consent of instructor. Offered as needed.

5357. Senior/Graduate Elective. Offered according to the interest of students and availability of professors. Enrollment open to advanced undergraduate students with the approval of the Chairman and to graduate students with the approval of the program director.

Politics Concentrations

DIRECTOR
Associate Professor Dougherty

The two concentrations in Politics are for students who are not Politics majors but who want to acquire more than a passing acquaintance with the serious study of politics and/or political philosophy.

CONCENTRATION IN POLITICAL PHILOSOPHY

Politics 1311, Principles of American Politics, plus an additional 15 credit hours, to include three courses in political philosophy and two other Politics courses chosen by the student. Examples of courses in political philosophy are Thucydides, Political Regimes, Plato’s Republic, Aristotle’s Politics, Aristotle’s Ethics, Political Philosophy in the Middle Ages, Enlightenment, Modernity, Catholic Political Thought, American Founding, Lincoln, 20th-Century American Political Thought and Senior Seminar. Other Politics courses with appropriate content can count as political philosophy with the approval of the director.

CONCENTRATION IN AMERICAN POLITICS

Politics 1311, Principles of American Politics, plus an additional 15 credit hours, to include three courses in American politics and two other Politics courses chosen by the student. Examples of courses in American politics are Constitutional Law, Civil Rights, Public Policy, American Foreign Policy, Presidency, Congress, Politics and Parties, American Founding, Lincoln and 20th-Century American Political Thought. Other Politics courses with appropriate content can count as American politics with the approval of the director.

Pre-Ministerial Programs

DIRECTOR
Associate Professor Walz

Diocesan seminarians and seminarians from religious orders complete the academic component of their priestly formation in coursework offered by the Constantin College of Liberal Arts, while they live at Holy Trinity Seminary and other houses of formation close to UD.

Seminarians studying for a Bachelor’s degree major in Philosophy and Letters. Those who have already attained a Bachelor’s degree enroll in the Pre-Theology program. The minimum entrance requirements for both programs are the same as the university’s general undergraduate requirements. Candidates for admission to these programs must also meet admission requirements stipulated by their dioceses or religious orders in academic achievement, personal character and spiritual ideals. Both programs substantially adhere to the norms established by the United States Conference of Catholic Bishops’ Program of Priestly Formation.

THE BACHELOR OF ARTS IN PHILOSOPHY AND LETTERS

The interdisciplinary curriculum closely integrates the perspectives of several disciplines. The senior seminar and thesis challenge seminarians further to understand the relationships among these disciplines and to cultivate the habit of thinking creatively within a tradition.

Basic Requirements for the Major

The Bishops’ requirements are addressed by a total of 48 credits: 27 credit hours in Philosophy, 12 hours in Theology and 9 hours in Philosophy and Letters. The successful completion of the Senior Thesis constitutes the students’ comprehensive examination. In addition to the philosophy requirements of the undergraduate Core—PHI 1301, 2323, 3311—Philosophy and Letters majors are required to take PHI 3343, 3344, 3345, 4331, 4336 and 4337. In addition to the Core’s Theology requirements—THE 1310 and 2311—students must complete THE 3331 and 3332 (or equivalent courses as designated by the Program Director). To fulfill their Logic requirement, students take PHL 3305. PHL 4341, the Philosophy and Letters Senior Seminar, is taken in the fall of the senior year. By active conversation and participation, majors seek to understand an important theme or thinker in philosophy and/or theology. For PHL 4342 a 20-30 page thesis is submitted and publicly defended in the spring of the senior year. This thesis should represent the appropriation, integration and fruition of the entire course of studies pursued at the university.

Suggested Sequence of Courses for Philosophy and Letters Major

YEAR I			
English 1301	3	English 1302	3
History 1311	3	History 1312	3
Math	3	Art, Drama, or Music	3
Philosophy 1301	3	Theology 1310	3
Science	4	Philosophy 2323	3
	16		15

YEAR II			
English 2312	3	English 2311	3
History 2301	3	History 2302	3
Politics 1311	3	Language	3
Philosophy 3311	3	Theology 2311	3
Language	<u>3</u>	Economics 1311	<u>3</u>
	15		15
YEAR III			
Philosophy 3344	3	Philosophy 3345	3
Philosophy 4336	3	Philosophy 4331	3
Logic 3305	3	Theology 3332	3
Theology 3331	3	Electives	<u>6</u>
Science	<u>4</u>		15
	16		
YEAR IV			
Senior Seminar	3	Philosophy 3343	3
Language or Elective	3	Philosophy 4337	3
Electives	<u>9</u>	Senior Thesis	3
	15	Language or Elective	3
		Elective	<u>3</u>
			15

COURSES IN PHILOSOPHY AND LETTERS

3305. Logic. A study of traditional logic as the “rational science” and “the art of arts,” as Thomas Aquinas says, insofar as logic “directs us in the activity of reason, from which all the arts proceed.” The primary goal of the course is to habituate seminarians to reason well according to reason’s three principal acts: simple apprehension, judgment, and argumentation. Topics to be covered include definitions and their parts, propositions, the square of opposition, syllogisms, and fallacies. A secondary goal is to ground seminarians in basic notions and distinctions that will enable them to undertake their future philosophical and theological studies with greater facility. Special attention is given to the ten categories, the three principles of nature, hylopoismorphism, the four causes, and the distinction between nature and person. Fall.

3357. Special Topics.

4341. Senior Seminar. An integrating seminar on a particular problem, issue, theme, figure, or period to be determined by the program director in consultation with the cooperating faculty. Discussions, reviews, presentations in a seminar format and with special emphasis placed on preparation for writing the Senior Thesis. Fall, as needed.

4342. Senior Thesis. Preparation of a senior thesis under the direction of the instructor and with the guidance of a faculty committee. Spring, as needed.

THE PRE-THEOLOGY PROGRAM

The College provides the collegiate course work for pre-theologians, i.e., those students who have already completed bachelor’s degrees but have since discerned a vocation to the priesthood. Pre-theologians are admitted to the program through the Braniff Graduate School. Those students who satisfactorily complete the pre-theology course of studies as described, while earning grades of C- or better in all courses, are eligible to receive the Certificate in Propaedeutic Studies.

Suggested Sequence of Courses for Pre-Theology Major

YEAR I Fall		YEAR I Spring	
Philosophy 1301	3	Philosophy 3311	3
Philosophy 2323	3	Philosophy 3343	3
Logic	3	Theology 2311	3
Theology 1310	<u>3</u>	Language (or Elective)	<u>3</u>
	12		12
YEAR II Fall		YEAR II Spring	
Philosophy 3344	3	Philosophy 3345	3
Philosophy 4336	3	Philosophy 4331	3
Theology 3331	3	Philosophy 4337	3
Language (or Elective)	<u>3</u>	Theology 3332	<u>3</u>
	12		12

Psychology

FACULTY

Chair and Professor Kugelmann; Professor Churchill; Associate Professors Fisher-Smith and Garza; Assistant Professors Freeman and Swales

The Psychology Program is shaped by the concept of psychology as a liberal art as well as a rigorous science. To this end, it is engaged in the enterprise of questioning and rethinking the discipline of psychology. This task is approached both through recovering the experiential basis of psychology and through reflection upon the philosophical, historical and cultural traditions that inform psychology. Such a broad and deep understanding of psychology places into perspective both the value and limits of views that claim psychology is the study of mind, or the science of behavior, or the interaction of mind and body, or the personal growth and enrichment of the person. Beyond any one of these psychology as it exists today is primarily a discipline still in search of a clear and unified sense of its subject matter. We in the Psychology Department are dedicated to the project of helping to articulate a viable direction for the discipline of psychology—one that is faithful to its roots in classical philosophy while being informed by more contemporary intellectual traditions. The life of experience, action and the appearance of the world form the material for psychology. Learning the art of speaking truthfully about our experiences is the goal of psychology conceived as a human science. The original sense of the word psychology—the logos of psyche—conveys this sense of the discipline.

The Program relies on this original sense of psychology as a discipline in order to appreciate the manner in which the psyche has been formulated in many different schools of thought. Original writings of important figures in the history of psychological thought are read for their contributions to an understanding of psychological life in the Western traditions.

An attention to a wide range of experiences—dreams, memories, perceptions, psychopathology, language, expression, development, pedagogy, personality—allows the relation of the discipline of psychology to such other disciplines as medicine, anthropology, social history, ethology, philosophy, art, drama and literature to emerge.

This comprehensive approach to psychology is phenomenological in the sense that attention is given to understanding rather than to explanations, to meanings rather than mechanisms of behavior and experience. The approach also draws upon the rich traditions of depth psychology and hermeneutics, giving attention to the deeper meanings of human experience that are carried by imagination and discovered through analysis and interpretation.

Active research and writing is expected of students; original reflection is as important as detailed scholarship. Research seminars during the junior and senior years provide the occasions for students and faculty to work together in close association.

The department has a chapter of **Psi Chi, the National Honor Society** for psychology. Psi Chi, originally founded in 1929, is an affiliate of the American Psychological Association and the American Psychological Society. In addition, the department has a Psychology Club, which is open to all undergraduates.

BASIC REQUIREMENTS FOR MAJOR

Thirty-five credits in Psychology as follows: 1311, 2313, 3330, 3425, 3432, 3339, 4333, 4348 and 9 credits in advanced psychology electives. To satisfy the requirement for a comprehensive examination, majors write a thesis during their senior year.

Theses are evaluated by the Psychology faculty and must be completed satisfactorily prior to the oral exam. Oral defense of the thesis in April of the senior year completes the comprehensive requirement.

Suggested Sequence of Courses for Psychology Major

YEAR I

English 1301	3	English 1302	3
History 1311	3	History 1312	3
Psychology 1311	3	Theology 1310	3
Philosophy 1301	3	Art, Drama, Music, or Math	3
Language 1301 or 2311	<u>3</u>	Language 1302 or 2312	<u>3</u>
	15		15

YEAR II

English 2311 and 2312	6		
History 2301 and 2302	6		
Psychology 2313	3		
Life Science	3		
Philosophy 2323	3		
Theology 2311	3		
Art, Drama, Music, or Math	3		
Psychology 3425	<u>4</u>		
	31		

YEAR III

Psychology 3330	3	Elective	3
Psychology 3432	4	Psychology 3339	3
Philosophy 3311	3	Psychology Elective	3
Language (as needed) or Elective	3	Politics 1311	3
Economics 1311	<u>3</u>	Language (as needed) or Elective	3
	16	Elective	<u>3</u>
			18

YEAR IV

Psychology 4333	3	Elective	3
Psychology Elective	3	Psychology 4348	3
Psychology Elective	3	Psychology Elective	3
Physical Science	4	Elective	<u>6</u>
Elective	<u>3</u>		15
	16		

THROUGH PLAN IN PSYCHOLOGY

Braniff's Through Plan allows Psychology majors to continue their studies, earning a B.A. and a Master of Psychology or a Master of Arts in Psychology in a shorter period of time. Up to two approved graduate courses taken during senior year may count toward the master's degree.

Interested students should contact their undergraduate advisor and the Psychology graduate director by the spring semester of their junior year.

Benefits of the program

- Competitive advantage when applying for Ph.D. programs or pursuing a career
- GRE and application fee waived

Plan Overview

See the Braniff Graduate School entry for all master's program details.

Senior Year Options

- Up to two graduate courses (6 credit hours) beyond the requirements for the bachelor's degree
- Master of Arts only: 3000-level language course with a final grade of B or higher

Master of Psychology

- Comprehensive examination
- 30 credit hours or 48 credit hours with clinical concentration, minus approved graduate credits taken during senior year

Master of Arts in Psychology

- Comprehensive examination
- Thesis, 6 credit hours
- 42 additional credit hours, minus approved graduate credits taken during senior year

COURSES IN PSYCHOLOGY

1311. Foundations of Psychology as a Human Science. The philosophical and scientific bases for a psychological inquiry into human nature are considered. Psychology as a human (or "moral") science is contrasted with the prevailing model of psychology as a natural science. Lectures and primary sources present developmental, psychoanalytic, existential and clinical perspectives on psychological life. Initial exposure to a psychological way of seeing and speaking is presented with regard to self, others, cultural world and animal kingdom. Fall and Spring.

2313. General Psychology. An introduction to the various fields of psychology, including developmental, social, abnormal, physiological and to central topics, such as cognition, emotion, motivation, perception, personality. Fall and Spring.

3327. Child Growth and Development (Education 3327). Explores the physical, mental, social and moral growth of children from infancy through early adolescents. Students examine theories of development with emphasis on the work of Jean Piaget, Erik Erikson, Lawrence Kohlberg and Lev Vygotsky. Children are the primary texts and interacting with them is an essential component of the semester's work. Discussion of significant topics of development that reflect on the issue of "nature versus nurture." A research project requires students to examine the activity of children in light of developmental theories. Fall and Spring.

3328. Psychology of Adolescence (Education 3328). Consideration of selected themes as they relate to adolescent experiences, including rebellion, caring, infatuation, peer group rejection, loneliness and sexuality. Emphasis on the methodology of understanding these phenomena on their own terms and on psychological reflection which deepens the significance of these phenomena in relation to questions of culture. Presentation of influential theories of adolescence such as those of Harry Stack Sullivan, Erik Erikson and Carol Gilligan.

3329 Lifespan Development. This course examines human psychological development using primary and secondary source material that presents development across the life span. Particular attention is paid to development beyond childhood, including adolescence, young or emerging adulthood, adulthood and end of life. Theorists including Freud, Erikson, Kübler-Ross, Daniel Levinson and others are used to facilitate discussion of stage based models of development and broader, life span based approaches.

3330. History of Psychology. Study of the history and genealogy of psychology, as a science in the broad sense, as a set of practices and as institutions in the modern world. The relationships between these contemporary disciplines and earlier ways of grasping human nature are developed, without assuming that what we call psychology existed in the past. Focus on the pivotal period from the middle of the nineteenth century to the middle of the twentieth century. Emphasis on the multiple traditions in psychology. Fall.

3334. Psychology of Language and Expression. Nonverbal and verbal forms of expression are explored from a phenomenological perspective that puts the lived body at the center of focus as both the subject and means of investigation. The language of the body is revealed through a hermeneutics of seeing and listening. Everyday as well as artistic modes of human expression are studied and contrasted with animal behavior. The nature of language is considered from phenomenological and semiotic, as well as developmental and evolutionary perspectives.

3335. Memory and Imagination. A study of memory and imagination in the tradition of Western thought, with special emphasis on the recovery of each as a method of knowing and a way of understanding the depths of the world. The course usually focuses on a particular theme. The relevance of memory and imagination to the field may be explored, with consideration of several types: active imagination, fantasy, reverie, daydreams, guided imagery or the relation of memory and imagination to the creative process might be investigated, with special attention given to the role of imagination in art, drama and literature.

3336. Abnormal Psychology. An historical introduction to the changing perceptions of madness in different cultural-historical periods provides the context for the study of selected types of psychopathology in terms of their origins, dynamics and major symptoms. Prerequisite: Psychology 1311 and 2313.

3338. Social Psychology. A consideration of the social construction of reality. The cultural context of individual experience is explored along with cultural manifestations of psychological life. Social behaviors are related to their ethological heritage and ideological contexts. Psychological texts, such as body language, gender displays, fashion, advertisements and media, are viewed as both reflecting social attitudes and revealing social influences upon the individual.

3339. Seminar: The Phenomenological Tradition. Study of seminal works and ideas in the phenomenological tradition. The course usually centers on a close textual analysis of one of the foundational figures whose work has influenced the development of the phenomenological alternative to psychology, such as Husserl, Heidegger, Sartre, Merleau-Ponty, Levinas. Prerequisite: Psychology 1311 and 3432.

3341. Psychology of Personality. Comparison of various theories of personality through primary source readings. Modern reductionistic viewpoints are contrasted with neo-Freudian, existential-phenomenological and/or postmodern conceptions of the self.

3345. Fundamentals of Neuropsychology. A basic introduction to the biological approach to understanding behavior as a function of brain processes. We will critically examine a variety of topics including sensation, proprioception, emotions, learning, memory, psychological disorders and drugs of abuse. We will explore the philosophical approach that undergirds much of biological psychology and critically examine these foundations utilizing a phenomenological approach. Spring.

3346. Animal Behavior. (See listing under Biology.)

3351. Experimental Psychology. The application of basic research methods employed in the scientific study of behavior. Prerequisite: Psychology 3432.

3354. Health Psychology. A study of the relationships between health and illness, on the one hand and behavior, attitudes, ways of life, on the other. An exploration of the psychological concomitants of health and disease, as well as conventional and non-conventional forms of treatment for disease. The phenomenology of embodiment and of disease as a mode of existence is integral to the course. Other topics include the examination of the social and political meanings of our views of health and illness. The social construction of health and illness concepts, the limits of medicine and of medicalization, the arts of living, suffering and dying are discussed.

3355 Evolutionary Psychology: Examination of human behavior and the human mind through the lens of evolutionary psychology. In this class, we will view the mind as an evolved, adapted organ that has operated in the service of survival and successful reproduction. Beginning with a historical review of evolutionary biology, followed by a review of the basic topics of evolutionary psychology, including problems of survival, long-term and short-term mating, sexuality, parenting, kinship, cooperation, aggression and warfare, conflict between the sexes, status, prestige and dominance hierarchies. Current research and critiques are examined and discussed throughout the semester.

3425. Statistical Methods in Psychology. Presentation of the basic logic and concepts of statistics as a foundation for quantitative research in psychology. The course includes an exploration of the epistemological premises of scientific investigation and an introduction to descriptive, parametric and non-parametric methods. Major topics considered include sampling, statistical inference, statistical analyses such as correlation, t-tests, simple and multiple regression, ANOVA, factorial ANOVA and non parametrics such as chi-squared and Mann-Whitney. The laboratory component of the course will provide opportunities for practical exercises in data collection and analysis. In addition, students will become familiar with data analysis software, data entry, interpreting the output reports generated by the software and the statistical foundation for hypothesis development and research design. Prerequisite: 2313. Fall and Spring.

3432. Quantitative Research Design. An application of statistical methods to quantitative research in psychology. Students complete a review of the literature of a defined area of psychology, learn to critically appraise this literature and to utilize it to develop a 'problem' to explore in their own research project. The research project comprises a review of the literature, development of testable hypotheses, development of a research design to effectively test these hypotheses, the collection and analysis of these data and the completion of a professional quality written report and oral presentation of the student's study. The laboratory component of the course provides opportunities for practical exercises in experimental design, data collection and analysis, for individual consultation regarding students' development of their projects and a forum for presentation of their projects for critical review. Prerequisites: 2313, 3425. Fall and Spring.

3V52. Special Topic. Study in an author, question, or topic not treated in any of the regular course offerings but of comparable consequence.

3V56. Primate Studies. Hands-on research conducted at the Dallas Zoo. Students become official zoo volunteers assigned to the Research Department. Faculty conduct seminars on classic texts as well as research articles. Students develop ethograms of selected species and participate in the collection and recording of data pertain-

ing to the behavior of primate species within their habitats (chimpanzees, gorillas, gibbons, spider monkeys, baboons, lemurs).

3V57. Field Experience. Students are exposed to off-campus settings in which psychology is practiced or applied (such as a hospital or a corporate human resource management office). Students should follow guidelines for Internships. Prerequisite: Senior standing in psychology. Graded Pass/No Pass.

3V71. Film Studies. Exploration of the various aspects of film and the film experience, including the history, aesthetics, psychology and politics of film, as well as film criticism. Principles of composition, montage, narrativity, representation and cinematic point-of-view are examined through classroom viewings of genre, art, experimental and documentary films. This course often has a special theme that serves to focus the selection of films shown in class. Students keep a journal which serves as a basis for a term paper.

4161. Zoo Habitat Research. Hands-on experience studying the effects of habitat enrichment programs and related projects at the Dallas Zoo. Students are supervised by zoologists working in the Research Department of the Dallas Zoological Society. Thirty hours of supervised research experience required.

4303. Organizational Behavior Theory. Advanced study of the theory underlying the practice of managing behavior in organizations. Classic and contemporary readings in management, organizational behavior, social psychology and industrial-organizational psychology is used to develop the students' understanding of topics including individual differences, perception, attitudes, social cognition, motivation, interpersonal relations and group behavior in work organizations. Prerequisite: BUS 3302 or PSY 2313.

4311. Personnel Psychology. The study of applied psychology relevant to questions of employee selection, development and performance in industry and other organizational settings. Primary topics include: measurement of knowledge, skills, abilities, personality, attitudes and performance of workers, construct and instrument validation, job analysis, selection systems and related employer and candidate behavior, training systems and techniques, needs assessment and adult learning principles.

4321. Seminar: Depth Psychology. Study of seminal works and ideas in the depth psychology tradition. The course might focus on one or more of the early formulators of depth psychology, such as Freud, Jung, or Rorschach, or it may explore more recent developments in areas such as object-relations theory or Daseinsanalysis. Repeatable when subject matter changes.

4322. Introduction to Clinical Psychology. Introduction to the history and current scope of professional practice in clinical psychology, with a focus on psychodiagnosis and treatment. Psychodynamic and psychometric traditions of assessment are presented, as well as projective techniques such as the Rorschach Ink Blot Test and the Thematic Apperception Test. The standard psychiatric nomenclature of the DSM-IV (Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition) is presented, along with its implications for the professional treatment of psychological "illness." Consideration given to the clinical interview, psychopharmacology and an overview of the psychotherapeutic process. Prerequisite: Psychology 3336, or 3341 and consent of instructor.

4323. Theories of Counseling and Psychotherapy. A detailed consideration of the treatment aspect of clinical psychology. Major theories of and approaches to psychotherapy are presented: psychoanalytic, Jungian, Rogerian, Gestalt, existential, phenomenological and behavioral. Emphasis is placed upon the phases of

psychotherapy, the role of transference and counter-transference in the therapeutic process, the use of dreams and the ethical responsibilities of the psychotherapist. Prerequisite: Psychology 1311, 3341 or 3336 and consent of instructor.

4331. Historical Psychology. Studies in the historical constitution of psychological phenomena, such as memory, volition, thought, intelligence, madness, etc. Course includes overview of the different theoretical bases of historical psychology. Course develops the idea that historicity is an essential aspect of all psychological phenomena.

4333. Qualitative Research. Introduction to the theory and practice of phenomenologically based human science psychology. Lectures and reading assignments expose the student to the fundamental literature in phenomenological research. Historical, hermeneutic, postmodern and other issues of interpretation pertaining to qualitative research are discussed in relation to newly emerging paradigms. Class sessions following a workshop approach take students through the steps of empirical-phenomenological research, in anticipation of the senior research project.

4334. Language Acquisition/Linguistics. (See Education 5354.)

4339. Perception and Cognition. A study of perception and cognition, drawing on psychological theories and considering them in the light of the phenomenological traditions. Consideration of how psychology has understood the relationships between sensation/perception and perception/thought will shed light on the discipline's underlying conceptions of psychological life. Topics may include the study of perceptual and intellectual acts as embodied in works of art and other artifacts. Thematic and historical approaches may be employed.

4347. Advanced Research. A seminar exploring narrative methodologies in qualitative research grounded in phenomenological, depth-psychological and hermeneutic traditions. Students are given individual supervision as they proceed to investigate topics of their own choosing. Prerequisite: Psychology 4333.

4348. Senior Thesis. Independent research on a psychological phenomenon under the direction of the general thesis supervisor and a faculty member assigned to work with the student. The thesis which results from this research constitutes the written part of the comprehensive examination. T (temporary) grade may be assigned at discretion of the department. Prerequisite: Psychology 4333. Spring.

4V61. Independent Research.

5V52. Special Topic.

Industrial/Organizational Psychology Concentration

DIRECTOR

Chair and Professor Kugelmann

The concentration in *Industrial/Organizational (I/O Psychology)* is a 16-hour curriculum in psychological foundations necessary to understand human behavior and experience in the workplace. The purpose of the concentration is to enable students to consider the relationship between psychology and its applications in large and complex contemporary social organizations. Students learn the principles involved in areas of personnel selection, training and evaluation. Students from any major are eligible to participate. The concentration will appeal to Psychology majors interested in pursuing graduate work in I/O psychology, Business majors interested in human resource management or graduate study in I/O Psychology or Organizational Behavior and other students with similar interests.

CONCENTRATION REQUIREMENTS

16 credit hours of study include:

BUS 4303. Organizational Behavior Theory.

PSY 4311. Personnel Psychology

PSY 3425: Statistical Methods for the Behavioral Sciences

PSY 3338: Social Psychology

And three credit hours from the following:

PSY 2313: General Psychology

BUS 3307: Global Entrepreneurship

PSY 3V52: Group and Team Dynamics

PSY 3V52: Personality and Individual Differences

PSY 3V52: Special Topics in I/O (with director approval)

BUS 3302: Leadership in Organizations

PSY 5337: Cultural Psychology and Multicultural Studies

Rome and Summer Programs

FACULTY

Vice-President, Dean, Director, and Professor of Classics Hatlie; Associate Professor of English Moran; Associate Professor of Philosophy Mirus; Assistant Professor of Theology Glicksman; Affiliate Assistant Professor of Art Robinson; Director of Rome and Summer Programs (Irving) R. Davies

THE ROME SEMESTER PROGRAM

The purpose of the Rome Program is to work in concert with the Core curriculum to intensify the students' appreciation and understanding of Western civilization through the transformative experiences that thoughtful and informed travel can bring. Prior to their Rome Semester, University of Dallas students have already read the works of Homer, Plato, Aristotle, Vergil, Augustine, Aquinas, Dante and other authors as part of the university's nationally recognized Core Curriculum. Having this rich educational background gives depth to their experience of the Rome Semester.

Students read about Odysseus and Aeneas one day and find themselves within the actual setting of these heroic stories the next. They travel seas and journey through landscapes where major battles were decided. They reenact scenes from the great Greek tragedies in the theaters where those plays were once performed. They come face to face with works of art and architecture that have inspired mankind for centuries. And they visit some of the holiest shrines and most beautiful monuments of the Roman Catholic Church. Direct experiences of this sort help students to solidify much of what they learn in the Core Curriculum, just as the opportunity for independent travel helps them to learn to plan carefully and act responsibly.

Italy and Rome in particular are uniquely suited to such a curriculum. Rome, the Eternal City and the cornerstone of the Roman Catholic Church, rests on the foundations of one of the world's greatest civilizations. It once was said that "all roads lead to Rome." It can equally be said today that Rome is a convenient and efficient hub from which to journey to other European locales.

Students are invited to apply to the Rome Program. Founded in 1970, the Rome Program offers students the opportunity to take selected courses in the Core Curriculum at the university's campus in Rome. Using this campus as their base, students make frequent trips into the city, explore surrounding towns and historical sites and travel as a group to cities such as Florence, Venice and Assisi, as well as Greece or Sicily. The semester is also organized in such a way as to allow considerable opportunity for individual travel throughout Europe. It is no surprise that a large majority of UD undergraduates participate in the Rome Semester.

Because all students study essentially the same courses in Rome; because students live together with faculty and staff and their families on the same campus and travel together in both Italy and Greece; and because there are frequent campus activities in which all participate, the Rome Semester is characterized by an intense common life and all that it implies. This too can help increase the impact of the Core Curriculum as well as encourage a broader self-understanding.

The Rome Semester is fast-paced and challenging, for it requires extensive travel, concentrated community life and intense academic study. Perhaps in part because it is a challenging semester, students' memories of their time in Rome are often among the most cherished recollections of their time at UD.

THE CAMPUS

UD's beautiful Eugene Constantine Rome Campus at Due Santi is located on the western slopes of the Alban Hills, about twelve miles southeast of the center of Rome, in one of the city's most attractive suburbs. Less than two miles away, in the small town of Castel Gandolfo, is the Palazzo Papale, a majestic palace that serves as the Pope's summer residence. Thanks to this unique location and the comfortable and well-provided Due Santi campus itself, UD Rome is a perfect place for students, faculty and staff to get to know one another, to learn together and to explore the many attractions of Italy.

ELIGIBILITY

The university reserves the opportunity to participate in the Rome program for students who are most likely both to excel academically through the curriculum of liberal arts study and behave responsibly in the environment of the close-knit Rome campus community and during their individual travels in Europe. Since the Rome Semester is more demanding for many people than a semester on the Irving campus, it would be ill-advised to accept students who are not adequately prepared to succeed in the program. Students demonstrate their qualifications for acceptance by maintaining a cumulative grade point average of at least 2.5 and behaving with a high level of maturity toward their peers and others. Other considerations include but are not limited to:

Academics

The Rome Program exists in large part to help deepen the students' understanding of issues raised in the Core Curriculum, so it is important that applicants have made appropriate progress in their Core Courses. Minimum requirements for attending the Rome Program include: sophomore standing at the commencement of the Rome semester; at least one full-time semester spent on the main campus prior to participation (including the semester immediately preceding Rome participation); successful completion of Literary Tradition I and Philosophy and the Ethical Life; preferable completion of Literary Tradition II and Understanding the Bible; preferably a cumulative grade point average of at least a 2.5; and good academic standing at the university. Since the academic program of the Rome Semester is heavily weighted in the direction of courses that stress careful reading, cogent writing and the disciplines of history, literature and philosophy, applicants who are weak in these areas may be required to wait until their records demonstrate competence. Preference is given to students who have demonstrated the ability to succeed academically while carrying a full five-course (15 hour) load in Irving. Academic achievement the semester before Rome is especially important in determining eligibility. Students with incompletes are automatically excluded from participation in the Rome Program. Students may not go to Rome while on academic probation.

Academic Course Prerequisites For Rome

Required:

ENG 1301. The Literary Tradition I.

PHI 1301. Philosophy and the Ethical Life.

Strongly Recommended:

THE 1310. Understanding the Bible.

ENG 1302. The Literary Tradition II.

Housing and Student Life

Student health and discipline records are evaluated by the Rome Office Director, in cooperation with the Office of Student Life, for the health and maturity necessary to meet the challenges of close community life, demanding schedules and independent travel. As this is a community of traditional full-time residential undergraduates, students who do not meet this profile may find that the living facilities cannot meet their residential needs and that the campus life, schedule and structure will not be appropriate to their social needs. The program is not suited for married students, students with families, or students accustomed to living as independent self-supporting adults. Careful scrutiny will be given to students who, for health reasons, do not live on the Irving campus for two reasons: 1) the same health concerns which prevent living on the Irving campus may also affect a student's ability to live on the Rome campus; 2) we are less able to evaluate students' ability to live in community if they are not in residence in Irving.

Health

Students with health concerns considering Rome should be aware of the following challenges: limited access to care; language barrier; lack of mental health services; limited availability of medications commonly prescribed in US (especially psychoactive medications); difficulty with having prescription medications shipped to Italy. Due to these challenges, health clearance for Rome requires that the condition has been stable and under current treatment for four months prior to the Rome semester, including at least one complete semester on the Irving campus, and is expected to remain stable under current treatment for the next five months. Ability to travel, carry a heavy backpack, accommodate diet to available resources and adjust to rigorous academic and physical activity are also important. Ongoing treatment must require minimal intervention, such that it can be administered on the Rome campus and during travel periods. Clearance by a physician, proof of enough medication for the full semester and other documentation may be required.

Further Health Considerations

Previously resolved problems may resurface, especially asthma and conditions associated with fatigue, change in schedule, change in diet and distance from home. Students must be prepared to pay physicians and hospitals out-of-pocket for any illnesses.

Take Note

Failure to inform and update the Rome Office and the Rome Program regarding health, discipline and academic status may result in denial of admission to or dismissal from the program. Clearance to go to Rome can be revoked at the discretion of the Rome Office Director. Those denied acceptance for failure to meet admissions criteria may appeal to the Rome Committee and the Dean of Constantin College.

ACADEMIC CURRICULUM AND REQUIREMENTS

The classes on the Rome campus are designed both to fit smoothly into the program required of all students and to take full advantage of the unique setting in which they are taught. Taught primarily by University of Dallas professors, the courses are selected from those core curriculum requirements which are closely concerned with the philosophical, theological, political, literary and artistic development of Western civilization.

All Rome students are required to register for the five three-credit core courses listed below for a total of 15 credits. Students with advanced placement for ENG 2311 register for ENG 3355 ST/Tragedy & Comedy. Students in Rome may also register for an additional one or two one-credit pass fail options for a total of 16 or 17 credits.

Since course offerings on the Rome Campus are limited, freshman and sophomore year programs must be arranged carefully, saving the Rome core courses for Rome. Please be advised that taking one of the Rome courses prior to Rome may result in a student's being disqualified to attend Rome.

Students requesting a waiver of these academic requirements for any reason, including planning to register for Italian in Rome, must obtain prior approval of the Dean of Constantin College.

ROME CORE COURSES—Save these courses for Rome

ENG 2311. The Literary Tradition III.* Can be taken as ENG 3355 ST/Tragedy & Comedy.

HIS 2301. Western Civilization I.

PHI 2323. The Human Person.*

THE 2311. Western Theological Tradition.*

ART 2311. Art & Architecture of Rome.

*See above course prerequisites.

Additional Course Offerings (May vary)

MIT 1101. Italian Culture & Conversation or Survival Italian.**

MIT 1302. First Year Italian II. Spring.

MIT 2311. Second Year Italian I. Fall.

MIT 2312. Second Year Italian II. Spring.

GST 3165. Special Topics: European Studies.** Topics vary.

GST 1106. Community Volunteer Services.**

**1 credit Pass/Fail

Course Order Note

Western Civilization II may be taken on the Irving campus before Western Civilization I and Literary Tradition IV may be taken before Literary Tradition III. Intermediate Greek is offered occasionally, but only in the spring semester.

DISCIPLINE

Students going to Rome are expected to behave in a mature, responsible fashion. All disciplinary policies in effect on the Irving campus also apply on the Rome campus. In addition, the Rome Program institutes such policies as are necessary for the effective operation of the Rome campus. Should disciplinary problems arise that result in the need to dismiss the student from the Rome campus, grades of withdrawal are assigned to the uncompleted courses. The student is not permitted to continue studies on the Irving campus until the succeeding semester.

Students may not apply to Rome while on disciplinary probation nor attend Rome the semester following a semester on disciplinary probation.

Costs

Tuition in Rome is the same as in Irving and room and board only slightly higher. For other Rome costs with the exception of airfare, see Fees and Expenses section. If a student is terminated, voluntarily (requires written permission from the Dean of Constantin College) or involuntarily from participation in the Rome Program prior to the end of the term for which the student is enrolled in the Rome Program, the student shall be liable for all expenses incurred in connection with such termination.

and in arranging for the student's return travel to the United States. The student shall not be entitled to any refunds for tuition, room and board, or travel expenses (unless and to the extent that the student is eligible to receive a refund for tuition and fees according to university policy as stated in the General Bulletin, or that the student or the university is eligible to receive a refund from a third party in connection with such travel expenses.)

UNDERGRADUATE SUMMER IN ROME

The university offers a summer Rome program for both UD and non-UD undergraduate students who have completed their freshman year. The program is designed as an attractive alternative and/or supplement to the fall and spring semester programs, or as an opportunity for undergraduates from other institutions to experience the university's signature Rome Program. Like our semester program, students will be housed on the Eugene Constantin Rome Campus at Due Santi. The program offers a further choice for students, such as transfer, or older students, whose schedule will not accommodate the long semester.

Students enroll for two three-credit courses for six credits total, either in the Liberal Arts or in Italian. In 2015 the Liberal Arts courses offered were English 2311, The Literary Tradition III; English 3357, Shakespeare's Rome; Theology 4V57, God, the Lover and the City; and Philosophy 2323, The Human Person. The Italian program offered MIT 2311 and MIT 2312 Second Year Italian I and II in an intensive six-week program. It is anticipated that the same courses will be offered in 2016 and that the course offerings may change in 2017. For more information e-mail udrome@udallas.edu or visit udallas.edu/romesummer.

SUMMER HIGH SCHOOL PROGRAMS

The Rome Office coordinates faculty-directed summer programs for high school students. Students from across the nation are offered the opportunity to earn transferable college credit through study and travel abroad.

Proposed programs in Italy for Summer 2016 include *Latin in Rome*, *Shakespeare in Italy* and *Rome and the Catholic Church*. All use the Rome Campus as home base and include travel to appropriate sites, e.g., Pompeii and Venice, for study *in situ* of the subject matter pursued.

The university also offers a two-week high school summer program in Irving, Arete: *An Introduction to the Classics*, taught by university faculty and graduate students.

For details on the Rome semester program and these and other potential Rome summer offerings visit www.udallas.edu/rome or www.udallas.edu/travel.

SUMMER ADULT AND GRADUATE PROGRAMS

In 2016, the School of Ministry Summer Rome Program will offer students the opportunity to take a course as a non-credit student or earn graduate credit at the University of Dallas on the beautiful Rome campus. Courses are offered on an ad hoc basis and are open to new and current School of Ministry students, visiting graduate students, or anyone wishing to audit the course. About 40% of class time is spent on "field trips" in and around the city of Rome. During the evenings and on weekends, the students may experience Rome and the surrounding area on their own.

Theology

FACULTY

Chair and Associate Professor Goodwin; Professor Lowery; Associate Professors Malloy, Norris and Rombs; Assistant Professors Glicksman and Lenartowick; Affiliate Assistant Professors Alexander and Esposito; Research Scholar and Adjunct Professor Farkasfalvy; Adjunct Professor Kereszty; Adjunct Professor in Residence Eynikel

Theology is "faith in search of understanding," a faithful listening to and a systematic, methodical articulation of the message of the Word of God revealed by deeds and words first in Israel, culminating in Jesus Christ, himself both the mediator and sum total of Revelation and transmitted in the living tradition of the Church. The department's mission is recovery and renewal of the Catholic theological tradition in harmony with the Magisterium and in dialogue with contemporary thought.

Admittedly, our Western civilization cannot be properly understood without some knowledge of Christianity, which is both a basis and an integral part of our cultural heritage. The study of theology, however, is much more than an essential discipline in the liberal arts education; it has a higher and more comprehensive aim. In relating man and the world to their absolute origin and end, theology imparts an ultimate unity to our understanding of reality and helps us—as no purely human discipline can—to see and fulfill the meaning of our existence.

The Department of Theology contributes to the general educational effort of the university on the undergraduate and graduate levels. It provides two core curriculum courses required of all undergraduates, Understanding the Bible, Theology 1310 and Western Theological Tradition, Theology 2311; electives for those who wish to pursue further theological knowledge; and an undergraduate major. In addition, the Department offers two Master's degrees. (See graduate Theology section for further information.)

THE MAJOR PROGRAM

The Department offers a program for the major consisting of an intellectually rigorous and coordinated sequence of advanced courses in Scripture, History of Christian Doctrine, Systematic and Moral Theology. The purpose of the major is to give the student a comprehensive grasp of the fundamental disciplines of theological science with attention given to issues affecting contemporary Christian Life. The program is scripturally and historically rooted, philosophically astute, ecumenical and orthodox. A balanced combination of required and elective courses is maintained so that, while preserving its distinctive identity, the program provides sufficient flexibility for students to select courses according to their interests.

BASIC REQUIREMENTS

- 1) *Thirty-six credits* in Theology, including Theology 1310, 2311, 3331, 3332, 3341, 4348 (Senior Thesis), 18 credits of advanced theology electives including an O.T. and a N.T. course and three advanced credits in Philosophy beyond the Core Philosophy requirement. With approval of the department, up to nine advanced elective credits may be earned in appropriate courses in other departments.

- 2) A *comprehensive examination*, oral and written, to be taken in March or April of the senior year. The examining board is regularly to be composed of three professors responsible for the courses of the major program designated by the Chair. The examination covers substantial topics of the courses the student has taken for the major. Guidelines are available from the Department. The purpose of the comprehensive examination is to test: 1) general theological knowledge, 2) familiarity with basic tools and methods of theological research, 3) ability to form sound theological judgments on current issues, 4) capacity for integrating substantial theological topics, 5) ability to communicate acquired knowledge. Should the student fail the examination on its first offering there will be an opportunity for one reexamination approximately a week later.
- 3) The submission of the *Senior Thesis* in the fall of the senior year. The Senior Thesis is a major research paper (20–30 pages of text) developed by an individual student on a topic selected in consultation with a professor. It must be satisfactorily completed for graduation.

Some knowledge of Latin and Greek is recommended, though not required, for a major in Theology. French or German is recommended for those who wish to pursue graduate study. Spanish is an important language for those who may pursue some form of ministry. Also, Biblical Hebrew is recommended for those who are serious students of scripture.

Suggested Sequence of Courses for Theology Major

YEAR I

Art, Drama, Music, or Math	3	Art, Drama Music, or Math	3
English 1301	3	English 1302	3
History 1311	3	History 1312	3
Language 1301 or 2311	3	Language 1302 or 2312	3
Philosophy 1301	3	Theology 1310	3
	15		15

YEAR II (during Sophomore Year)

English 2311-2312	6
History 2301-2302	6
Philosophy 2323	3
Theology 2311	3
Economics 1311	3
Language (or Elective)	6
Art, Drama, Music, or Math	3
	30

YEAR III

Theology 3331	3	Theology 3332	3
Theology 3341	3	Theology Elective	3
Theology Elective	3	Theology Elective	3
Philosophy 3311	3	Politics 1311	3
Science	3	Science	4
	15		16

YEAR IV

Theology 4348	3	Theology Elective	3
Theology Elective	3	Theology Elective	3
Philosophy Elective	3	Electives	9
Electives	6		15
	15		

THROUGH PLAN IN THEOLOGY

Braniff's Through Plan allows Theology majors to continue their studies, earning a B.A. and a Master of Psychology or a Master of Arts in Theology in a shorter period of time. Up to two approved graduate courses taken during senior year may count toward the master's degree.

Interested students should contact their undergraduate advisor and the Theology graduate director during the spring semester of their junior year.

Benefits

- Competitive advantage when applying for Ph.D. programs or pursuing a career
- GRE and application fee waived

Plan Overview

See the Braniff Graduate School entry for all master's program details.

Senior Year Options

- Up to two graduate courses (6 credit hours) beyond the requirements for the major
- Master of Theology only: Graduate credits may also count toward completion of the B.A.
- Master of Arts only: 3000-level language course with a final grade of B or higher

Master of Theology

- Comprehensive examination
- 30 credit hours, minus approved graduate credits taken during senior year

Master of Arts in Theology

- Comprehensive examination
- Thesis, 6 credit hours
- 24 additional credit hours, minus approved graduate credits taken during senior year

COURSES IN THEOLOGY

1310. Understanding the Bible. Reflective reading of selected texts of the Old and New Testaments with a view to discovering the biblical concepts concerning God, his creation and action in history culminating in Jesus Christ on behalf of his people and the origin and destiny of humanity. To be taken in the freshman or the sophomore year. Normal prerequisite for any other Theology course. Fall and Spring.

1312. Elementary Biblical Hebrew. An intensive introduction into Hebrew grammar including the first conjugations of regular verbs through analysis of selected sentences of the Hebrew Bible.

2311. Western Theological Tradition. Reflective reading of classic, post-biblical Christian texts with a view to tracing the development of theological thought in Western Christianity from its beginnings to the post-Vatican II era. To be taken in the sophomore year or, at the latest, first semester of junior year. Prerequisite for advanced Theology courses. Suggested prerequisite: Theology 1310. Fall and Spring.

2313. Intermediate Biblical Hebrew I. This course completes the teaching of Hebrew grammar through translation and analysis of biblical texts.

2336. Introduction to Liturgy. An historical, theological and practical introduction to Catholic Liturgy. Fall as needed.

3321. Pentateuch. History of the formation of the Five Books of Moses. Their literary genres and religious messages. Close reading of selected books and chapters

with emphasis on the relationship between the literary form and thematic content of the text. Fall, every three years.

3322. Old Testament Prophets. History of the prophetic movement in ancient Israel. Literary forms and religious message of the prophetic writings. Close reading of selected books and chapters. Fall, every three years.

3323. Wisdom and Psalms. Introduction to Wisdom literature and Psalms. Literary forms and content. Close reading of selected Wisdom passages and Psalms. Fall, every three years.

3324. Synoptic Gospels. Formation of the synoptic material. Literary forms. Synoptic problem. Relationship between Jesus of history and the apostolic proclamation. Content, structure and message of each gospel. Close reading of selected chapters. Spring, every three years.

3325. Fourth Gospel. Formation of the Fourth Gospel and history of the Johannine community. Content, structure and message. Its literary and theological features in comparison with the Synoptics. Close reading of selected chapters. Spring, every three years.

3326. Paul and Acts. History of the early Christian community. Paul's background and his missionary work. Introduction to his letters. Close reading of letters and selected chapters. Spring, every three years.

3328. Biblical Archaeology. Study tour of the Holy Land and Jordan with a view to understanding the Bible within its geographical and historical setting. Topology and physical characteristics of the Holy Land. Archeological sites and monuments which illuminate the biblical narratives. As needed.

3331. Systematic Theology I. God and Human Existence. A systematic study of the Christian Catholic faith on Revelation and its Transmission, the Triune God, the Nature and Vocation of Man. Prerequisites: Theology 1310 and Theology 2311. Prerequisite for any advanced systematic course. Fall.

3332. Systematic Theology II. Christ and the Church. A systematic study of the Christian Catholic faith on Christ, Grace, the Church, Sacraments and Eschatology. Spring.

3340. Social Justice. Addresses the intersection of economics and theology, considering it as the foundation and means of formation of a just society. The student is introduced to the development and principles of the Catholic Church's social teaching. Also introduces the social justice theories of the Protestant, Jewish, Muslim and Buddhist traditions. Prerequisite: Economics 1311.

3341. Moral Theology. Examines the ideas of conscience, sin, the virtues, natural law and the relation of Scripture and ethics. The underpinnings of the Christian moral life, with various applications to specific moral issues. Involves a close reading of John Paul II's encyclical *Veritatis Splendor*. Every Fall.

4311. The Theology of Thomas Aquinas. A close reading of selected texts of Thomas Aquinas on God, Christ, the sacraments, the human person, sin and Christian morality. Offered occasionally.

4321. Apocalyptic Literature. General introduction to Jewish and Christian apocalypses. Literary genre and its message for today's readers. Close reading of selected chapters of both canonical and non-canonical apocalyptic writings, such as the book of I Enoch, Daniel, Revelation and Fourth Esdras. As needed.

4331. Triune God. A systematic exploration of the doctrine of the immanent and economic Triune God, rooted in patristic tradition as well as in Scripture. Examination of the essential dogmatic components of the Trinity and the medieval synthesis, as well as ecumenical issues such as the filioque. Exploration of key texts from prominent 20th century thinkers in search of responses to pressing questions about the soteriological significance of the doctrine.

4332. Christology and Soteriology. A biblical, historical and systematic study of the person and saving work of Christ. Offered regularly.

4333. Christian Anthropology. Study of human beings as created in God's image, their vocation to share in the divine life, their fall into sin and their divinization by God's grace. Offered regularly.

4334. Theology of the Church. Study of the Church as People of God and Body of Christ, its hierarchical structure, the role of laymen in it, the ecclesial reality of non-Catholic Churches and communities and the Church and the World. Offered regularly.

4335. The Christian Sacraments. Consideration of the various models of sacramentality (e.g. sacraments as proclamation, as actualization, as celebration) and each of the seven sacraments as understood and celebrated in the Catholic Church. Offered regularly.

4336. History and Theology of the Liturgy. The historical development of Christian liturgy, with special attention to its formative period in the first centuries, the reforms of Vatican II and post-conciliar reforms. The theological principles and implications of the liturgy and liturgical spirituality. Offered occasionally.

4337. Atheism and Theism. Examines the problem of God and the question of contemporary belief. Philosophical and cultural challenges to the Christian idea of God are addressed through a study of recent systematic theological thought, especially on the Trinity and the human person.

4342. Christian Marriage. The sacramental nature of marriage. The principles of Catholic sexual morality based on the dignity of the human person and the sacramental meaning of maleness and femaleness. Offered every two years.

4343. Social Teaching. The social teachings of the Church as found in a variety of social encyclicals, especially *Rerum Novarum* (1891) and *Centesimus Annus* (1991). Specific topics include the role of the laity in the temporal order, the communal nature of man, just-war theory, liberation theology, the death penalty, Catholicism and the American political order and the relationship between Catholicism and various economic systems. Offered regularly.

4345. Bioethical Issues. The contribution of Catholic ethics to such contemporary issues as abortion, newborns with birth defects, euthanasia, new reproductive technologies, contraceptive technology and genetic engineering. As needed.

4346. Faith and Science. An examination of the apparent tension between the method and discoveries of modern science and the Christian faith's theological approach to nature and the human person. The resources developed by the Christian tradition for approaching secular learning are used as a foundation for examining and critiquing the theories of contemporary authors on the relation between science and faith, focusing on central issues such as the origin of the universe and the evolution of the human species. Includes discussion of key historical episodes such as the Galileo controversy and debates over evolution.

4348. Senior Thesis. A major paper developed by the theology major following research on a selected topic with the guidance of a professor. The student is expected to give evidence of research abilities in the field. Fall, senior year.

4351. Christian Spirituality. Sanctification and transformation in Christ. The nature of ascetical and mystical theology; the life of meditation and contemplation; the discernment of spirits. Offered occasionally.

4352. History of Patristic Spirituality. Study of the history of the patristic spiritual tradition from apostolic times to the end of the patristic era in both the west and Byzantine east. Authors and traditions studied will include: Origen, the Cappadocians, Cassian, the desert fathers, Augustine and the *Rule of Benedict*.

4353. History of Medieval Spirituality. Study of the history of the medieval spiritual tradition focusing on monastic spirituality, pastoral spirituality, the spirituality of the friars and late medieval spirituality. Authors and traditions studied will include: Bernard of Clairvaux, Francis of Assisi, Bonaventure, Catherine of Siena and the Carmelites.

4354: History of Modern Spirituality. Study of the historical development of the Christian contemplative tradition from the 16th century to the 20th century. Authors and traditions studied will include: Theresa of Avila, John of the Cross, Ignatius Loyola and Vincent de Paul.

4363, 4364. Judaism 1 & 2. An introduction to the study of Jewish history, thought and literature with emphasis on Jewish theological tradition. Readings include ancient, medieval and modern writings such as the Dead Sea Scrolls, Philo, Maimonides, Rashi, Spinoza and Buber. Also, some discussion of recent Catholic pronouncements on the relation between the Church and Israel.

4V57. Special Studies in Theology.

4V60. Directed Reading/Independent Research. A tutorial course following special arrangement between professor and student for such purposes as completion of required credit hours. Permission of professor and the chairman is required. As needed.

5301–5310. Cross-listed Courses. These numbers indicate undergraduate courses taken for graduate credit. Additional work for graduate students is assigned.

5311. Church History I. From the Apostolic community to the fourteenth century. Offered as needed.

5312. Church History II. From the fourteenth century to the present. Offered as needed.

5315. Patristic and Byzantine Theology. History of Christian doctrines—dogma and theology—from the Apostolic times to the twelfth century, including Byzantine theology. Offered in a three-year cycle.

5316. Medieval and Modern Theology. History of Christian doctrines—dogma and theology—from the beginnings of Scholasticism to the present, including the history of Protestant theology. Offered in a three-year cycle.

5317. Recent and Contemporary Theology. Introduction to some of the main trends, works and issues of the nineteenth and especially twentieth century Christian theology (Catholic and Protestant). Offered in a three-year cycle.

5319. Philosophical Resources for Theology. Study of the philosophical resources available to and developed by Christian theology from both an historical and a systematic point of view. Offered regularly.

5333. Sources and Methods. Introductory notion of theology. Revelation, its transmission in Tradition and Scripture and its authentic interpretation by the Magisterium. Nature and method of theology as *intellectus fidei*. Regularly required for the Master's. Offered every two years.

5334. Apologetics. Also called "Fundamental Theology", this course aims at a deeper (critical and systematic) understanding of the "why" of Christian Catholic faith, i.e. of the foundations for the credibility of Christianity. Offered in a three-year cycle.

5355. Special Topics. A regularly scheduled class established according to the interests of professors and the desires of students. As needed.

Courses in Biblical Greek—See Classics.

William A. Blakley Library

FACULTY

Dean of University Libraries and Research and Associate Librarian Hohertz; Associate Dean and Associate Librarian N. Baker; Associate Librarian L. White; Assistant Librarians Barksdale, Brown, Randall, Vandervoort, and Vaughan

The William A. Blakley Library, founded in 1962, provides access to over 320,000 volumes, more than 120 databases and over 63,000 full text publications online. The library's web site, www.udallas.edu/library, contains the online catalog and electronic resources including online journals and e-books. Reference services are available online, as well as Interlibrary Loan services for requesting materials not owned by the library. The TexShare cards allow students and faculty to use other libraries within the state of Texas. The collections of materials for general reading, serious study and research reflect the university's interest and emphasis on academic excellence.

MISSION STATEMENT

The purpose of the William A. Blakley Library is to contribute to the fulfillment of the university's mission by pursuing the following objectives:

- To select, acquire, organize, maintain and make accessible a collection of printed and non-printed, primary and secondary materials which will support the educational, research, and public service programs of the undergraduate and graduate schools of the university.
- To respond to the varying needs of the academic community by involving faculty, students, and administration in the development and periodic assessment of library services and resources.
- To provide essential services to university students, faculty, and staff to enhance research and promote learning.
- To provide an orientation program to teach new users how to obtain individual assistance, access bibliographic information, and locate materials.
- To provide library users with point-of-use instruction, personal assistance in conducting library research, and other reference services.
- To provide an environment conducive to the optimum use of library materials and an appropriate schedule of hours of service and professional assistance.
- To participate in any overall university-wide computing resources plan, and to provide for full library utilization of automation technology and for physical facilities and equipment adequate to process, catalog, and store the materials.
- To implement a policy for the recruitment, retention, and development of qualified service-oriented librarians, and of support staff.
- To enhance the library's resources and services through cooperative relationships with other libraries and agencies.

COURSES

GST1120 – The Art of Library Research – a 1-credit general studies course aimed at sharpening students' abilities to identify appropriate materials, whether print-based or digital, using the latest tools available. Topics include strategies for exact targeting of important scholarship or information, detailed introductions to subject-specific, as well as general databases, and instruction in the best use of the interlibrary loan service. Graded Pass / No Pass.



Braniff Graduate School of Liberal Arts

The history of the University of Dallas is closely linked with the names of Braniff and Blakley. These are permanently enshrined in the William A. Blakley Library, the Braniff Graduate Building, the Braniff Memorial Tower and the Braniff Graduate School.

Senator William A. Blakley, lawyer, statesman and industrialist, was a member of the first advisory board of the University of Dallas. Both Senator Blakley and Tom Braniff, founder of Braniff International Airways, had been vitally interested in private higher education. Before their deaths in 1954, Tom and Bess Braniff knew of plans for the proposed university and had expressed hope that it would become a reality. Efforts to found the university captured the interest and support of Senator Blakley, who was devoted to the principles of private higher education and aware of the need for more educational centers of excellence in the Dallas-Fort Worth area.

The Blakley-Braniff Foundation was dissolved in 1964, with all of its assets going to carry out its purposes and objectives. Senator Blakley and the other directors of the Foundation chose the University of Dallas for the site of the Braniff Graduate School as the highest and best tribute to the memory of Tom and Bess Braniff in perpetuity and accordingly made a \$7.5 million grant for its establishment.

The Graduate School offered its first courses in 1966. The Braniff Graduate Building was completed in 1968, along with the mall and the Braniff Memorial Tower.

The Graduate School sets minimum standards for all graduate degrees. Each program establishes rules and requirements that supplement those of the Graduate School.

The Braniff Graduate School of Liberal Arts supports the doctoral program of the Institute of Philosophic Studies, the Master of Fine Arts and the master's programs in Art, American Studies, Classics, English, Humanities, Philosophy, Politics, Psychology and Theology. It seeks to offer graduate programs which recall these disciplines to their first principles and which will prepare students for careers in a variety of fields.

ADMISSION

Regular Admission

Inquiries and application materials for all Liberal Arts graduate programs should be sent to the Graduate Office, Braniff Graduate School of Liberal Arts. Applications should include two letters of recommendation, transcripts from all institutions of higher education attended, a statement of purpose and an intellectual autobiography. Possession of a bachelor's degree is prerequisite to matriculating in any graduate program. Applicants should have an undergraduate major in the proposed field or otherwise demonstrate evidence of suitable background. Admission requirements particular to the different programs are described under "Admission Requirements" in the appropriate section.

Applications for the fall semester for the doctoral Institute of Philosophic Studies program are reviewed in three monthly rounds beginning February 15 and ending April 15. There are no spring admissions for the IPS program. In order to be considered for the first round, all elements of the application must be received by February 15.

Applications for the fall semester for the master's programs in American Studies, Classics, English, Humanities, Philosophy, Politics, Psychology and Theology are reviewed in monthly rounds beginning February 15 and ending June 15. The application deadline for spring admission for these programs is November 15.

Applications for the fall semester for the MA/MFA art programs normally are reviewed one time only and all elements of the application must be received by February 15. There are no spring admissions for the Art programs.

Admission as a Special Student

Special students are those who wish to enroll in graduate level courses but are not seeking a degree. They should be over 21 and have completed an undergraduate degree. If at any time special students wish to become candidates for a degree, they must submit an application and accompanying documents for regular admission into one of the programs which will be considered along with all other applications. Only nine credits earned as a special student may be transferred toward the degree. Art students, however, may not count courses taken as special students.

Conditional Admission

Students who have deficiencies in their undergraduate preparation may be admitted conditionally, but they must present substantial evidence of capacity to perform at the graduate level.

Admission as an International Student

Unless proficiency is otherwise demonstrated, international applicants whose native tongue is not English are required to take either the English Language Test or the TOEFL of the Educational Testing Service. These tests are given in the students' home countries and are normally the only acceptable certification of language ability. Unless a test has been taken at least three months before the proposed date of enrollment, students cannot be sure of having their application processed in time. The minimum acceptable score on the paper based TOEFL is 600; the minimum on the computer based TOEFL (CBT) is 250; the minimum on the internet based TOEFL (IBT) is 100; the minimum on the IELTS is 7.0. All international applicants must also submit GRE scores if the graduate program they are applying to requires them. International students should be aware that the university has no special funds for them. Federal loan funds are restricted to U.S. citizens.

FEES, EXPENSES AND FINANCIAL POLICIES

For general information on university fees, expenses, and financial policies see the Fees and Expenses section.

FINANCIAL AID

Students may apply for a variety of scholarships and low-interest loans. To do so, a student must complete the **Free Application for Federal Student Aid (FAFSA)** and the **University Graduate Financial Aid Form**. The university will determine students' eligibility for loans and scholarships based on the information provided on these two applications. Information about Title IV eligibility is available from the Financial Aid Office.

After the financial aid application process has been completed, the Financial Aid Office will e-mail a notification that their financial aid can be viewed through their BannerWeb account. Summer applications should be completed by April 1, fall applications by August 1 and spring applications by December 1.

Satisfactory Academic Progress

Graduate students must be making Satisfactory Academic Progress to be eligible for any federal or state financial aid. The requirements follow:

- 1) A cumulative pace towards graduation of at least 66% (.66). Pace will be evaluated by dividing all earned hours by all attempted hours. Transfer hours will be used in this calculation. Withdrawal from classes can affect a student's pace and will be calculated as attempted credits.

- 2) Complete all work within the time limit set by their program.
- 3) An Incomplete or a Temporary grade does not count as an earned credit and will affect eligibility until credit is earned. Satisfactory Academic Progress (SAP) cannot be reviewed until a grade has been posted for all classes completed. Once a grade has been posted to replace an incomplete grade, a student should contact the Office of Financial Aid to have his or her SAP reviewed. A student is not eligible for financial aid until SAP status has been determined.
- 4) Cumulative GPA and pace are reviewed at the end of each term (fall, spring and summer).
- 5) If the student is not making Satisfactory Academic Progress, he or she will be notified of a Financial Aid Warning for one semester. During the warning semester, the student must have a cumulative pace of at least 66% and complete the semester with a cumulative GPA of 3.0 or higher. If these requirements are not met at the end of the semester, the student will lose his or her financial aid for the next semester (this is known as a Financial Aid Suspension). A student can regain his or her financial aid if SAP (66% pace and a 3.0 cumulative GPA) is met at the end of a subsequent semester.
- 6) A student who does not meet Satisfactory Academic Progress at the end of the Financial Aid Warning period is placed on Financial Aid Suspension but can make a formal written appeal to the Director of Financial Aid for the reinstatement of Financial Aid for one semester. An appeal can be made in the event of the death of a student's relative, injury or illness of the student, or other special circumstances. If an appeal is granted, a student will be put on Financial Aid Probation and will receive financial aid for one additional semester. A student on Financial Aid Probation must reach 66% pace and a 3.0 cumulative GPA by the end of the probationary semester or meet other academic standards set by the Director of Financial Aid in order to have his or her financial aid reinstated. A student on suspension can regain eligibility for aid upon meeting all requirements lists above. For information about withdrawing and Return of Title IV funds please refer to the information in the Fees and Expenses section.

Additional Applications

Master Promissory Notes and Entrance counseling must be completed for federal loans. The university participates in the following programs: Federal Direct Stafford Loans, Federal Direct Graduate Plus Loan, and private loan programs. Information is available online and from the Financial Aid Office.

Enrollment Status Definitions

Regular students are those who have been admitted for the purpose of obtaining a degree. Students enrolling in less than six hours in any term must contact their Financial Aid counselor to determine aid eligibility.

Term	Enrollment	Minimum Credits
Fall, Spring, or Summer	Full-time	9
	Half-time	6

Students enrolled in Dissertation or Thesis Research, Doctoral, MFA, or Graduate Reading are considered to be enrolled full-time.

Housing

Apartments and houses in all price ranges are plentiful off-campus.

GRADUATE SCHOOL POLICIES

The Graduate School sets minimum standards for all graduate degrees. Each program establishes rules and requirements that supplement those of the Graduate School. Students are responsible for knowing all rules and requirements pertaining to the degree sought. Policies and procedures described in the undergraduate section of this bulletin apply to graduate programs and students unless otherwise noted in this section or in the handbooks or bulletins of the various graduate programs.

The Graduate School reserves the right to dismiss at any time students whose academic standing, financial indebtedness to the university, or conduct it finds undesirable.

Class Attendance

Students are expected to attend all scheduled classes and to satisfy all course requirements within the time limits established by their professors, unless prevented from doing so by extraordinary circumstances such as serious illness or unavoidable travel. A professor who deems that a student has been excessively absent during the first half of the semester may recommend that the student withdraw from the course. If students have been excessively absent throughout the entire semester, the professor may withhold permission to take the final examination and, depending on the students' academic performance, assign a grade of F or FA (failure due to absence).

Grade Average and Reports

The minimum grade point average required for graduation is 3.0. Exceptions for particular programs are indicated under particular departments. In courses in which a grade lower than a "C" (2.0 points) is given, the grade will count for determining the grade point average, but will not satisfy course requirements. Grades earned for language courses will be recorded on the transcript but will not be included in determining the grade point average. The only exception will be for those upper-level language courses that may be counted for course credit towards the graduate degree. At the end of each semester reports of final grades are available to students online.

Student Load

The normal full-time load is 9 credits per semester.

Course Numbers

Courses carrying graduate credit are those numbered in the 5301 to 9999 range. Courses numbered 5301 to 5310 are reserved for undergraduate courses taken for graduate credit. Most programs except for the graduate program in Humanities limit the number of these courses their students can take. Consult the graduate director of your program for your program's limits. Appropriate additional work is assigned for graduate students.

6V99 (Graduate Reading), 7V99 (MFA Reading) and 8V99 (Doctoral Reading) are used to indicate that, although not taking credit courses, students are involved full-time in work required for completion of the degree. With permission of the Dean and upon payment of a matriculation fee, these numbers may be repeated. Limits apply.

Transfer Credit - Braniff Graduate School

Credits are transferable only from accredited institutions and must have been taken within the six years prior to acceptance in the program. Transfer of graduate credits earned at other institutions is not automatic. Some programs with special curricula rarely approve transfer petitions. Only courses with a grade of "B" (3.0) or better may be considered for transfer. When petitions are honored, no more than nine hours may be transferred into a Master's program. No more than 12 credit hours may be transferred into the doctoral program. Students who have already entered

a Master's program at the university must get prior approval from the Graduate Dean before taking courses at another institution for transfer of credits. Those who have earned graduate credits as "special" students in the Braniff Graduate School and who later apply for degree status in one of the graduate programs may count only nine of these hours toward their graduate degree. Art students may not count courses taken as special students toward the MA/MFA degrees.

In a program requiring one year of course work (24 credits, not counting the thesis or its equivalents) the transfer petition should be made before pre-registering for the second semester. In programs of a longer duration, the petition may be made any time after one full-time semester at the university or after completing nine credit hours, whichever comes first. All Master's students must take a minimum of 15 credit hours of course work at UD, with the exception of graduate students in the Humanities program who must take at least 18 credit hours. The request for transfer credit should be made to the program director and requires the approval of the Graduate Dean.

T and I Grades

Faculty members may give a "T" (temporary) grade in a class if an extended time period for the completion of the course work (larger paper, project or thesis) is a planned part of the course as approved by the curriculum process of the university. An "I" (incomplete) grade may be given in a class if students were unable to finish all assignments by the end of the semester and their reasons for the delay have been accepted by their professors. All "T" and "I" grades for a given semester must be removed before the first day of regular registration for the next semester. A "T" grade for the Master's thesis, Doctoral dissertation, or equivalent requirement is an exception to this rule.

When work is submitted by the due date, a "T" grade is completely removed from the student's record. The "I" is only slashed over. If work is not completed on time, the "T" or "I" grade will either become permanent (I*, I#, or I/PR) or will, at the teacher's discretion, be changed to some other grade to reflect work completed.

Academic Honesty

The policies governing academic discipline parallel for the most part those of the Constantin College of Liberal Arts. Plagiarism and cheating are extremely serious offenses. All students are responsible for familiarizing themselves with the policy on Academic Honesty as detailed in the undergraduate section of this Bulletin.

Time Limit

In a program requiring 36 or fewer credit hours (including thesis or project seminars), the time limit for completing the degree is six years, counting the years from the first semester in which students were admitted to the program. In a program requiring more than 36 credit hours, the time limit is specified in the Bulletin's program description.

Withdrawal

Withdrawal from courses or from the university must be with written permission of the Graduate Dean.

Leave of Absence

Students who need to interrupt their course of study from one semester to the next must seek a leave of absence. A leave is granted where there is a good reason and a good prospect of the students' returning to the program. Students who interrupt their courses of study without a leave of absence are considered to have resigned from the program and must reapply for admission if they should desire to return.

Continuance in a Program

Continuance in a graduate program requires that the cumulative grade point average be high enough for students to be able to earn the required GPA by the time they have completed all the course work needed for the degree. At the end of each semester records of graduate students are reviewed by the Graduate Office. The records of students, whose cumulative or semester GPA is below the required standard, are presented to the appropriate Program Director and the Graduate Dean and, in the case of doctoral students, to the Director of the Institute of Philosophic Studies for recommendation as to continuance. If students' GPA falls below the minimum level needed for a degree to be awarded by the time they have completed all the courses required for their degree, they may take no more than two additional courses for an M.A. and no more than four for a Ph.D. in an attempt to raise their GPA to the minimum level.

Diploma Application

Students must file diploma applications in the Graduate Office within the first two weeks of the semester in which they plan to receive the degree.

Awarding of Degrees

Degrees are granted by the Board of Trustees upon recommendation of the Graduate Faculty and the Council of Deans and Chairs.

MASTER'S PROGRAMS IN THE BRANIFF GRADUATE SCHOOL

According to the university's concept of education, the master's degree is a professional degree. Completion of a set number of hours of course work is not a sufficient achievement for receiving the degree; an acceptable proficiency in the discipline or profession as demonstrated in a comprehensive examination constitutes a further criterion for the degree. A minimum of 30 credits is required for the master's degree, including the thesis or its equivalent where required. Most master's programs also require demonstrated proficiency in at least one foreign language. The Master's Student Handbook and specific departmental requirements must be consulted for each program.

The Braniff Graduate School of Liberal Arts offers the Master of Arts in: Art, Classics, English, Humanities, Philosophy, Politics, Psychology and Theology. These programs require the writing of a thesis and proficiency in at least one foreign language. For the M.A. in Art the exhibition substitutes for these requirements.

Other master's programs include: Master of American Studies, Classics, English, Humanities, Politics, Psychology and Theology. These programs require additional course work or projects in lieu of a thesis and language.

The Master of Fine Arts degree in studio art is also offered. It is an advanced terminal degree beyond the level of the M.A. in art.

Through Plans

Through Plans permit undergraduate students at the University of Dallas to continue their studies, earning a master's degree in a shorter period of time by meeting certain requirements during senior year. Through Plans are currently available for selected master's degrees in English, Philosophy, Psychology and Theology. Check the undergraduate entries for each program to learn more.

Admission to Candidacy

In the Master of Arts programs (except Art) students become degree candidates after passing the comprehensive examinations. In Art, students apply for candidacy and formal acceptance into the program after completion of nine-twelve credit hours. Consult the Master's Handbook and this Bulletin.

Language Requirement

Most Master of Arts programs require that students demonstrate proficiency in at least one language other than English. Individual departments, however, may require more than one language for the degree. The purpose of the language requirement is to assure that students are capable of effective use of primary sources.

The language requirement must be satisfied before enrolling in the thesis seminar. For the various ways in which this requirement may be fulfilled, consult the handbooks for the master's and doctoral programs.

Comprehensive Examination

At the completion of course work, all candidates for the master's degree must pass a comprehensive examination. The examination must be taken by the end of the semester following the satisfactory completion of all course requirements.

Thesis Requirement

Candidates for a Master of Arts degree enroll in Thesis Research after completion of all course work, fulfillment of the foreign language requirement and approval of a proposed thesis topic. The appropriate program director recommends to the Graduate Dean the acceptance of the topic and the appointment of a suitable committee. Instead of the thesis, some master's programs require the completion of a major project or exhibition. In others it is satisfied by taking six or more additional credit hours. Consult the Bulletin for the specifics in each program.

Institute of Philosophic Studies Master of Arts

The Master of Arts degree in English, Philosophy, or Politics may be awarded to doctoral students in the Institute of Philosophic Studies after the completion of the Qualifying Examination. 42 credits are required (excluding foreign languages), of which 30 credit hours must be within the concentration and fulfillment of one foreign language requirement.

DOCTORAL PROGRAMS

For policies specific to the doctoral program see Institute of Philosophic Studies.



The Institute of Philosophic Studies Doctoral Program

The Institute of Philosophic Studies offers a program leading to the Ph.D. degree. The Institute has as its purpose the renewal of the tradition of philosophic discourse and the recovery of the Christian intellectual tradition. The students' course of study includes a set of core courses established by the Institute and an area of concentration, which students develop in consultation with a faculty adviser. The areas of concentration currently offered are in literature, philosophy and politics.

The Ph.D. degree, under the general rules and procedures of the Braniff Graduate School, requires the successful completion of 66 credit hours of course work in the Institute, any independent study the faculty deems advisable for a given candidate, an acceptable performance on a qualifying and comprehensive examination, reading mastery in two foreign languages and a dissertation of substance and originality. A full description of all policies, procedures and requirements is found in the *Institute of Philosophic Studies Handbook*.

GENERAL INFORMATION

Admission Requirements

Applicants must possess a bachelor's degree. They should have an undergraduate major or equivalent evidence of suitable background for entering the proposed field. Applications for the doctoral IPS program are reviewed in three monthly rounds beginning February 15 and ending April 15. Applications are accepted for the fall semester only. The completed application file includes the application form, two letters of recommendation, a statement of purpose, an intellectual autobiography, a sample of academic writing, official transcripts of previous college work and GRE General Test scores not more than three years previous to the date of the application. Decisions regarding admission are made by the committee of IPS directors, who draw a composite assessment of the applicant from the submitted materials and evaluate the file against the pool of competing applicants in view of the limited number of positions available.

Degrees

In accord with the unified character of the program, the Institute grants only one doctoral degree. However, the transcript will indicate the area of concentration for each student. En route to the doctorate, students may apply for the Institute of Philosophic Studies Master of Arts degree after the qualifying examination.

Residence

Three academic years of full-time course work beyond the bachelor's degree are normally required. Students are strongly encouraged to spend at least one continuous academic year on campus as full-time graduate students. Institute scholarships generally require full-time enrollment.

Transfer of Credit

Some credit from earlier graduate work may be transferred after students have successfully passed the qualifying examination. Credits are transferable from accredited institutions and must have been taken within the six years prior to acceptance in the program. Courses are transferable only if strictly equivalent to Institute courses. Students should submit syllabi of all courses they wish to transfer. No more than

12 hours may be transferred. Upon recommendation of the concentration director, transfer credit must be approved by the Graduate Dean.

Language

Proficiency in two languages, Greek or Latin and (usually) French or German, must be demonstrated by all candidates. The *IPS Handbook* describes the three ways of satisfying the requirement.

Qualifying Examination

Students must take the Qualifying Examination after the first three semesters of full time course work. The *IPS Handbook* describes the examination and the times it is administered. The performance on the examination must satisfy the examining committee that the student is capable of continuing doctoral studies.

Comprehensive Examination

Students normally take the Comprehensive Examination in the semester following completion of all course work. The examination is based upon a Core Reading List and a Concentration Reading List. Students must demonstrate to the examining committee that they have a comprehensive grasp of the issues and texts covered in their core and concentration course of studies. The *IPS Handbook* describes the examination and the times it is administered. Reading lists are published in the handbook.

Dissertation

Dissertations of suitable quality and magnitude shall be submitted by all candidates. After they are completed and approved, a defense of the dissertation, open to the graduate faculty, must be made by the candidates. Information concerning the formal requirements for preparation and filing of dissertations is in the *IPS Handbook*. Dissertation credit is in addition to course credit.

Time Limit

Unless otherwise approved, requirements for the Ph.D. degree must be met within ten years from the time students begin course work in the program or they will be deemed to have withdrawn from it.

Courses of the Institute

Students take 21 credit hours in the Institute's core curriculum and 45 credit hours in their area of concentration, nine of which may be in a related discipline (with the approval of the concentration director).

The Institute core courses are meant to provide students with a solid foundation in the Western tradition — poetic, philosophic and theological. These courses will concentrate on significant texts of this tradition, including such authors, for example, as Homer and Vergil; Plato and Aristotle; Augustine and Aquinas; Dante and Milton; Hobbes and Rousseau; Hegel, Nietzsche and Dostoevski. A seventh required core course will have as its principal text the Bible.

The area of concentration allows students to read in a discipline in which they expect to teach and write. The specific requirements for individual students are worked out in consultation with the faculty adviser and with the approval of the IPS Director. The description of each of the areas of concentration presently offered in the Institute is given below.

Courses designated as "core courses" are listed in the particular semester schedule with the prefix IPS (Institute of Philosophic Studies). Those in the area of concentration carry the appropriate departmental designation.

CORE COURSES OF THE INSTITUTE

8311. Homer and Vergil. A study of the *Iliad* and the *Odyssey* of Homer and Vergil's *Aeneid*.

8316. The Bible. A reading of select writings from the Old and New Testaments as vehicles for understanding the nature and claims of revelation.

8321. Plato and Aristotle. Careful reading of seminal texts by two thinkers who laid the foundations of Western philosophy.

8326. Augustine and Aquinas. A study of the two giant Christian thinkers. Readings include *Confessions*, *City of God* and the *Summa Theologiae*.

8341. Dante and Milton. A reading of Dante's *The Divine Comedy* and Milton's *Paradise Lost*.

8342. Hobbes and Rousseau. A study of the *Leviathan* and *Emile* contrasting their positions on modernity.

8352. Hegel, Nietzsche and Dostoevski. A study of three thinkers in transition between modernity and postmodernity.

8357. Independent Study. In cases of scheduling problems, students may be given permission by the Graduate Dean to take a required Core course as a tutorial.

8V98. Teaching Practicum. International IPS students who wish to teach college-level courses must enroll in this non-credit course in order to receive employment authorization from the International Student Services Office. Concurrent enrollment in Doctoral Readings (see 8V99) is required and enrollment is limited to four semesters. See the ISO office for details. Special restrictions apply. Enrollment does not make students eligible for federal financial aid or for deferment of loans. The fee for the course is \$100.

8V99. Doctoral Readings. Registration for this course indicates that the student is involved full time in studies necessary for degree completion. At the end of each course the student must demonstrate progress toward completion of requirements. Registration requires the approval of the Graduate Dean. No more than two doctoral readings may be used to prepare for the comprehensive examination. No more than 6 may be taken in all. A matriculation fee is required. It entitles the student to the use of the library and other services.

9697. Dissertation Research I. (Dissertation Prep Seminar) Full time research and writing of the doctoral dissertation under the guidance of an approved director. A grade of T is assigned for this six-credit-hour course, which remains until after the defense of the dissertation. Prerequisite: Completion of comprehensive examination and at least one language requirement.

9698. Dissertation Research II. Full time in the research and writing of the doctoral dissertation under the guidance of an approved director. A grade of T is assigned for this six-credit-hour course, which remains until after the defense of the dissertation. Prerequisite: Approved proposal.

AREAS OF CONCENTRATION

LITERATURE

The philosophic character of literary study within the Institute is reflected in a concentration upon major authors whose work can claim philosophical scope and

penetration. The approach to these works is also philosophic. Students inquire into the issues treated by great writers considering the literary treatment as one voice in a conversation within which philosophers, theologians and political thinkers also participate. The poet seeks to supplant opinion with knowledge by means of constructing a coherent vision of reality just as the philosopher seeks the same end through dialectic. The aim of study therefore is to share in the poet's wisdom concerning a reality already constituted before imagination sets to work on it but imperfectly known until illuminated and ordered by art. Courses focus upon literature as a distinct way of knowing irreducible to other modes of knowledge but best understood and assessed when studied in company with other modes of discourse directed to common subjects. Institute students join teachers dedicated to grasping in what manner poetic art can provide knowledge of reality and to discerning what that knowledge may be.

Students learn to apprehend the form of literary art by attending to the qualities of poetic speech and by studying the kinds of poetry. They investigate such constants of the arts as myth, symbol, analogy and figure, image, prosody and style. In the process they come to appreciate the notable congruence of particularity with generality that characterizes the poetic mode of being and that has led thinkers to define a poem as a "concrete universal." The kinds of poetry — the perennial genres — need not be taken as prescriptions arbitrarily imposed, for they can be understood as the natural shapes literature displays when it envisions different human actions.

Neither the constants of poetic speech nor the continuities of genre sufficiently specify the particular purchase upon human issues offered by any great poem. To bring this meaning into sharper resolution requires the final act of literary understanding, interpretation of individual poems, an undertaking in which the comparison of poem with poem has its instructive part. Critical interpretation entails the most careful and sustained attentiveness to elucidating meaning and culminates in critical judgment of the contribution of that meaning to one's grasp of the truth.

The interpretive dimension of the program is reflected in courses that find their formal object sometimes in a genre (Epic, Lyric, Tragedy/Comedy, Menippean Satire, or Russian Novel), sometimes in a literary movement (Renaissance Drama, Romantic/Victorian Literature, Augustan Literature, American Literature, Southern Literature, Twentieth Century Literature), sometimes in major authors (Dante, Chaucer, Spenser/Milton, Shakespeare, Dostoevski, Faulkner, Hawthorne/Melville/James). Students confront the claims of classical, Christian and modern poets. They thereby enter into the issues that cause the Western tradition to be a tradition of controversies.

COURSES IN LITERATURE

5301–5310. Cross-listed Courses. These numbers indicate undergraduate courses taken for graduate credit. Appropriate additional work for graduate students is assigned. See undergraduate English for description of 5000-level courses listed below.

5315: Introduction to Literary Study. An introduction to arts and questions that constitute the discipline of literary studies through the study of one or more great literary works. Students will write in genres that characterize the profession such as the review, the annotated bibliography, the abstract, the conference paper, and the article. Fall.

5318. Tragedy/Comedy. Consideration of two alternate but constantly recurring vantages upon human life beginning with Greek drama and Aristotle's *Poetics*, continuing with Elizabethan-Jacobean drama and concluding with an assessment of the fortunes of tragedy in the modern era. Reflection upon the relationship between

the dramatic form and the human action embodied in that form and upon epochal changes in conception of what constitutes tragic limitation and comic fulfillment. Spring.

5319. Classical Epic. Studies in the *Iliad*, *Odyssey* and *Aeneid* with a view to understanding epic poetry as the most comprehensive form of literary art. Concentration upon the elaboration of a classical conception of the nature of heroism, divinity and social order in the poems of Homer and Vergil. Reflection upon continuity and divergence in the epic poets' various renderings of cosmic order, the city, divine providence and human excellence.

5320. Arthurian Romance. An approach to medieval genre—romance—and a medieval theme—fin' amors—through the study of major literary manifestations of the medieval legend of Arthur. Authors and texts studied may vary, but as a rule special emphasis is given to the twelfth century verse romances of Chrétien de Troyes and Sir Thomas Malory's fifteenth century "reduction" of the legend into English prose.

5321. Modern Irish Literature. Readings from the literature of 20th Century Ireland, with special emphasis on Yeats, Joyce, O'Brien and Heaney.

5322. Menippean Satire. Studies in a distinguished but relatively unexplored family of literary works focusing upon Rabelais, Cervantes, Swift, Sterne, Byron, Lewis Carroll, Joyce, John Barth. Emphasis upon the preponderance in these works of authorial digression over the more usual emphasis of fiction upon human character and action.

5323. Modern Southern Literature. Principal participants in the Southern Literary Renaissance and its heirs: Davidson, Ransom, Tate, Warren, Lytle, Porter, Welty, Gordon, O'Connor, Taylor. Includes the major achievements of the Southern writer in verse, prose fiction, literary and social criticism. Emphasis is given to the consideration of the relation between the Southern writer and culture of the South.

5324. Dante. Study of the works of Dante with emphasis upon *The Divine Comedy* and Dante as the greatest poetic exponent of medieval Christendom's understanding of the analogical character of being.

5325. Augustan Literature. Considers works that represent the rich varieties of genre, style, authorial stance, and subject matter in English literature throughout the eighteenth century, showing the period at both its most traditional and its most innovative. Particular emphasis on eighteenth-century writers' adaptations of literary conventions in response to the political, social, religious, and aesthetic conditions of their own age, and on their complicated relationship with the classical inheritance. Genres discussed may include the essay, the novel, the drama, lyric, satirical, pastoral, georgic, and mock-epic poetry, and historical narrative; authors may include Addison, Steele, Swift, Pope, Johnson, Congreve, Goldsmith, Cowper, Smollett, Fielding, and Hume.

5326. Waugh and the Post-War West. The study of some of the novels of Evelyn Waugh, focusing on his response and those of three other English novelists, E.M. Forster, Henry Green, and Graham Greene, to the pervading sense of gloom about the future of Western Civilization following World War I.

6313. Chaucer I: Early Works to Troilus. A consideration of Chaucer's early career up to and including *Troilus and Criseyde*, including *The Book of the Duchess*, *The House of Fame*, *The Parliament of Fowls*, and others. Subjects may include Chaucer's creative interaction with his inherited literary tradition; the development of his distinctive poetic voice and vision; the challenges of, and to, the genres and

modes of medieval literature; his growing sense of a poetic career; and the power and limitations of language.

6314. Chaucer II: The Canterbury Tales. A study of Chaucer's second masterpiece, *The Canterbury Tales*. Topics might include poetic inheritance; philosophic reflections on language; the aesthetic, moral, and social role of the poet; the capacities and limitations of narrative; earnest and game as poles of literary effort and reading.

6315. Classical Rhetorical Theory. Treats major Greek and Roman thinkers who were the first in the West to seek an understanding of the power of human speech (logos) and its proper management in poetry, philosophy and oratory. Texts of Gorgias, Plato, Aristotle and Cicero are studied and comparisons are made between them and selected representatives of medieval (e.g. Augustine), modern and postmodern rhetorical theory (e.g. Nietzsche and Derrida).

6316. Pastoral Poetry. Examination of the influence of classical forms in English Literature through the tradition of pastoral poetry. After noting the Greek origins of the form, most especially in Theocritus, a close study of Vergil's *Eclogues* as a precursor to study of English examples. Primary focus is the blending of the classical and Biblical in Spenser's *The Shepheardes Calendar*. Exploration of the continuation of the tradition in Jonson, Milton, Wordsworth and Arnold and in twentieth-century poetry.

6325. Special Topics in Shakespeare. This course may be taken multiple times by students desiring to focus on different elements of the Bard's oeuvre. Specific topics are dependent on the choice of the faculty member leading the discussion and range from Shakespeare's comedies or Shakespeare's romances to the narrative poems. Critical approaches to Shakespeare's works may also be featured.

6332. Spenser. Examination of the major writing of Edmund Spenser, focusing upon his effort to synthesize classical humanism and Christian ideals. Works considered include *The Faerie Queen*, *The Shepheardes Calendar* and lyric poetry.

6333. Milton. Study of the major writing of John Milton, considering his effort to synthesize and to extend the range of Classical and Christian literary traditions. A treatment of *Paradise Lost*, *Paradise Regained*, *Comus*, *Samson Agonistes* and major lyric poetry.

6334. Jonson and the Tribe of Ben. A study of the major comedies of Ben Jonson and those of some of his theatrical rivals, such as Dekker, Marston, and Shakespeare, focusing in particular on their arguments about the nature and purposes of comedy, and of his lyric poetry and that of the other Cavalier poets.

6336. Thomas More. The major writings of Thomas More and the important literary accounts of his life. Special attention is given to More's indebtedness to the classical world and to the Church Fathers, especially in *Utopia*, *The History of Richard III* and his humanist writings.

6337. Pope, Swift, and Their Circle. Concentrates on the major narrative, polemical, and satirical works of Alexander Pope and Jonathan Swift, the two defining literary figures of the first half of the eighteenth century, as well as selected works by Arbuthnot, Gay, Bolingbroke, and Fielding, their close friends and associates within two overlapping contexts: the Scriblerus Club formed to satirize abuses of learning, and the political Opposition to the longstanding government of Sir Robert Walpole.

6338. The Age of Johnson. Considers the achievement of Samuel Johnson and the influence of both his life and his art within the milieu of late eighteenth-century Britain. Approaches Johnson within the many literary roles which he practiced and helped to invent, including moral essayist and fabulist, biographer, lexicographer, literary critic,

polemicist, poet, conversationalist, and travel writer. Compares his achievement in these genres with that of the contemporaries whom he aided, inspired, and debated, including Boswell, Burke, Gibbon, Goldsmith, and Fanny Burney.

6354. Jane Austen. The major writings of Jane Austen as models of the possibilities of prose narrative, with a focus on narrative and dialogic technique as well as Austen's role as a moral realist in response to Romanticism and the Age of Enlightenment. May also include studies of the juvenilia and unfinished fiction.

6355. Russian Novel. Readings in Gogol, Turgenev and Tolstoi, focusing chiefly on the major writings of Dostoevski as the novelist who incorporated the Russian myth into the Western tradition at a time of crisis and by so doing defined the limits of the novel: *Dead Souls*, *Fathers and Sons*, *Anna Karenina*, *The Idiot*, *The Possessed* and *The Brothers Karamazov*.

6357. Victorian Literature. Study of fiction, essays and poetry of the Victorian era in England. Writers of all modes confronted questions relating to realism, the conflicting claims of religion and science, the development of participatory democracy, the Industrial Revolution and the re-direction of the artist within society. Authors studied include Dickens, Thackeray, Eliot, Tennyson, Browning, Arnold, Carlyle and J.S. Mill.

6360. Literary Criticism and Theory. Examination of major documents of Western literary criticism, with special emphasis upon twentieth-century critics and theorists—New Criticism and the subsequent development of structuralist and post-structuralist approaches. Focus on key texts and issues, with an eye to exploring options for future developments and practical applications to the study and teaching of literature.

6361. Faulkner. Examination of Faulkner as the most thoughtful recent novelist formed in the great tradition and as a writer uncommonly perceptive of the challenges posed to the continuation of that tradition by contemporary erosions.

6362. Hawthorne and Melville. The two most prominent literary figures of America's "classic era" both responded positively to the call for a distinctly national literary movement. Their response provides the focus of inquiry for this course: What is timeless in the imaginative works of Hawthorne and Melville? What is distinctly American in their writing? Readings include short fiction of Hawthorne with two of his major novels, and Melville's poems with two of his major novels.

6364. Liberty in Literature. Human beings may be distinguished as species by their capacity for exercising freedom. Yet the nature of this liberty has been variously defined and by some thinkers dismissed as illusory. Imaginative literature often depicts actions that pose the question whether human beings are free agents and, if so, what is the nature of their liberty, what is its extent, conditions and limits. This course inquires into such issues as they appear in narratives and dramas, ancient, Renaissance, nineteenth century. Typical readings: the *Book of Genesis*, plays of Aeschylus and Sophocles, Shakespeare's *Julius Caesar* and *Richard II*, Milton's *Paradise Lost* and *Paradise Regained*, Hawthorne's short stories, Melville's *Billy Budd*.

6369. Henry James. After study of representative selections from his short fiction, a close reading of two or three novels from among the acknowledged masterworks: *The Portrait of a Lady*, *The Ambassadors*, *The Wings of the Dove* & *The Golden Bowl*.

6370. Conrad. A consideration of Conrad as a unique voice bridging the old world of maritime and cultural traditions and the new world of political and literary modernisms. Works studied include the major novels (*Nostromo*, *The Secret Agent*, *Lord Jim*), as well as collections of stories and critical essays.

6377, 6378, 6379. Special Studies. Courses offered according to student interest and faculty availability.

6395. Studies in the Novel. Consideration of the relatedness of form to the subject of the one literary mode practiced almost exclusively by modern authors. Of special concern, the various novelists' portrayals of large social developments in counterpoint to their presentation of the fate of a central character. Authors most frequently included: Richardson, Defoe, Fielding, Austen, Flaubert, Stendahl, E. Bronte, Dickens, Trollope, Hardy, Gogol, Tolstoy, Turgenev, Twain.

6V99. Graduate Reading. Registration for this course indicates that the student is involved in studies necessary for the completion of the degree. At the end of each course the student must demonstrate progress. Normally, Master's students are limited to two non-credit Reading courses. The matriculation fee required entitles the student to the use of the library and other basic services.

7312. The English Renaissance. Literature written under the Tudors and Stuarts. Artistic accomplishment amid conflicting perspectives upon the individual and society, the Church, the relation between Christianity and rediscovered classical ideals and emerging new science. Authors usually read include Erasmus, More, Spenser, Shakespeare, Jonson, Bacon, Webster, Middleton, Sidney, Marlowe, Castiglione, Machiavelli and other influential Continental authors.

7314. Shakespeare's Tragedies. Drawing upon a variety of sources--the Bible, Plutarch, Roman tragedy, the Medieval morality play, and English Renaissance tragedy--to explore the human being in extremis, when things go terribly wrong and almost everything is destroyed, Shakespeare wrote tragedies throughout his career to ask this question: Are we destroyed by our own character and choice, other people's actions, fated circumstance, nature, chance, and/or divine providence (just, indifferent or malicious)? What is the distinct instruction and pleasure of Shakespearean tragedy? This course addresses that exploration in plays such as *Romeo and Juliet*, *Julius Caesar*, *Hamlet*, *Othello*, *King Lear*, *Macbeth*, *Anthony and Cleopatra*, and *Coriolanus*.

7315. Shakespeare's Comedies. A study of Shakespeare's comedies, from early ones based on Roman models to so-called "problem comedies" to the late plays or "romances." Among topics that may be considered are Shakespeare's appropriation of earlier comedic forms, his continuing interest in marriage and the possibility of transformation, and comedy as a genre. Works studied will include plays such as *The Taming of the Shrew*, *A Midsummer Night's Dream*, *The Merchant of Venice*, *As You Like It*, *Twelfth Night*, *Measure for Measure*, *Pericles*, *Cymbeline*, *The Winter's Tale*, and *The Tempest*.

7316. Shakespeare's Histories. Studies Shakespeare's art and dramatization of English history, attentive to such questions as these: What is Shakespeare's perspective on England? What are the principal questions he poses about his own country and its traditions? What strengths and weaknesses of England and its leaders does he identify? Works studied will include a selection from the following plays: Shakespeare's first and second tetralogies (the *Henry VI* plays and *Richard III*; *Richard II*, the *Henry IV* plays, *Henry V*), *King John*, and *Henry VIII*.

7317. Shakespeare's Sonnets and Narrative Poems. A study of Shakespeare's non-dramatic works, his sonnet sequence and two narrative poems: Shakespeare's *Sonnets*, *Venus and Adonis* and *The Rape of Lucrece*.

7335. Seventeenth-Century Lyric. This course focuses on the later English Renaissance, usually considering the works of Donne, Jonson, Herbert, Crashaw, Marvell, and Milton. Under scrutiny will be concern with language, metaphysical wit and the use of the conceit but death, love, the afterlife, and truth. The course includes instruction in seventeenth-century approaches to meter and the use of figures of speech, complicated in England by the rising preeminence of the plain style and the rejection of multivalence in Scripture. Reading these poets teaches the student how to attend to language, meter, form, and content.

7351. Directed Readings and Research. Special programs of inquiry, by mutual consent of student and professor with the approval of the Chairman.

7352. English Romanticism. A study of the primary writing (poetry and prose) of the major British Romantic poets (Blake, Wordsworth, Coleridge, Shelley, Byron and Keats), emphasizing the character of the romantic understanding of poetic imagination, the artist's relation to society, the conception of religious, moral and political ends. Context may be provided by a discussion of continental and English philosophy and of German Romanticism.

7365. Modern Poetry. A consideration of major British and American poets of the first half of the twentieth-century, in the light of theoretical articulations of modernist poetry, as well as the poetic experimentation that accompanied them. The historical contexts of modernism – the two World Wars and the profound cultural upheavals surrounding them – are also elements of critical reflection. Pound and Eliot are foremost in this generation as theorists and innovators, but other poets participate distinctively in a heightened self-consciousness of language and form – Yeats, Frost, Williams, Moore, H.D., Stevens, Lawrence, and Auden.

7366. Modern Fiction. Exploration of literary modernism as it emerged in British and American prose fiction in the early twentieth-century – its forms, claims, contexts, and development in subsequent decades. Authors frequently included: Conrad, Joyce, Woolf, Nabokov, Ellison, Rushdie, Morrison, O'Brien, Munro.

7678. Thesis Research. A six credit-hour course designed for the student writing the M.A. thesis under the guidance of an appointed thesis director. An approved topic is a prerequisite for registering for Thesis Research. A grade of "T" is assigned for this course which remains until the thesis has been approved.

8310-15. Special Topic Seminars. Focused, intense examination of a subject in a small seminar setting for advanced doctoral students. Courses might be organized by author, subject, theme, history, or other structure, and may involve intense research, writing, and presentation. IPS students only.

PHILOSOPHY

The aim of philosophy at the university is to recover the possibility of a wisdom dealing with those "first things" which ground and locate human experience within the whole of being. Philosophy is impelled by reference to the totality that is distinctive of human existence. It analyzes the frameworks within which other human endeavors occur and recommends ways in which they might be situated so as to throw light on the character of the totality. Such illumination, in turn, affects those other human endeavors by giving them perspective. By reason of its location in a Catholic institution, the Department is particularly interested in the ways Revelation has led to developments within a properly philosophic wisdom available to believers and nonbelievers alike.

The major tool of philosophic research lies in the careful study of classical texts from Plato and Aristotle to Heidegger and Wittgenstein. The cultivation of competence in logic and facility in at least one classical and one modern language are viewed as indispensable auxiliaries in the project. The underlying conviction is that texts which have continually drawn the readership of reflective minds throughout the centuries contain profound insights into the fundamental issues of being and thought and that we neglect such insights at our own peril, especially since they have been instrumental in the formation of our own mental horizon. Hence polemical reaction takes second place to sympathetic dialogue. Not so much "Where do they go wrong?" as "What did they see?" governs the approach. Such an approach does not aim at the indifferent cataloguing of historical positions. Rather, it aims at understanding "the things themselves" through dialogue with the masters. The aim is to see the same things in different ways and thereby learn to assess the value and limitations of the differing ways with a view toward an ever-deepening wisdom of the whole.

The curriculum is divided into historical and topical courses. The historical courses (with 6000 numbers) deal with an epoch or an individual thinker; the topical courses (offered at the 7000 level) with an area (e.g. ethics or metaphysics) or an issue (e.g. immortality or potentiality). But both types of courses are, in different ways, historical and topical. The topical courses draw from the entire textual history while the historical courses engage the issues through the thinker or thinkers studied. The research seminars, which are listed at the 8000 level, are the most advanced courses. Their themes typically reflect the faculty's own current research.

COURSES IN PHILOSOPHY

5100. Proseminar. A ten-week seminar concerning many of the professional skills required for success as graduate students and future professors and scholars. Topics to be covered include resources for research; research and writing strategies; scholarly etiquette, norms and ethics; career planning; and professional organizations for philosophers. Required of Ph.D. and Master's students in Philosophy within the first year of study. Graded Pass/No Pass. Fall.

5301–5310. Cross-listed Courses. These numbers indicate undergraduate courses taken for graduate credit. Appropriate additional work for graduate students is assigned.

See *M.A. Philosophy* for description of 5000-level courses listed below.

5311. Philosophy of Law.

5321. Philosophy of History.

5332. Philosophy of Technology.

5341. Asian Thought.

5361. Scholastic Tradition.

5371. Phenomenological Tradition.

5381. Senior/Graduate Elective.

Historical Sequence

631X–636X are offered sequentially in a three-year cycle in order to give students the opportunity to acquaint themselves with the entire history of Western philosophy.

631X. Text Seminar: Antiquity. A focused reading of one or more major works from antiquity. Most often covers Plato or Aristotle, but may also include the Presocratics

or one or more of the major Hellenistic schools (Epicureanism, Stoicism, Pyrrhonian and Academic Skepticism, Middle Platonism).

632X. Text Seminar: Late Antiquity and the Early Middle Ages. A focused reading of one or more major works from the early development of Christian philosophy and/or its most immediate pagan antecedents. Most often covers Neoplatonism (from Plotinus through Anselm), but may include other historical threads such as the tradition of commentaries on Aristotle, or Stoic influence on medieval philosophy.

633X. Text Seminar: The Later Middle Ages. A focused reading of one or more major works from the Aristotelian period of later medieval philosophy. May cover Aquinas, Scotus, Avicenna, Averroës, Maimonides, or others.

634X. Text Seminar: Early Modernity. A focused reading of one or more major works from the period of the Scientific Revolution (Descartes through Berkeley). May include some consideration of late medieval nominalism or of Renaissance thinkers in their bearing on early modern thought.

635X. Text Seminar: Later Modernity. A focused reading of one or more major works from the Enlightenment and the nineteenth century (Hume through Nietzsche).

636X. Text Seminar: Postmodernity. A focused reading of one or more major works from the twentieth century or beyond. May focus on the linguistic turn and subsequent Anglo-American philosophy, or on Continental traditions such as phenomenology and existentialism.

Graduate Reading

Registration for this non-credit course indicates that the student is involved in studies necessary for the completion of the degree. At the end of each course the student must demonstrate progress. Normally, Master's students are limited to two Reading courses. A matriculation fee is required. It entitles the student to the use of the library and other basic services.

6V99. Graduate Reading.

Topical Courses

Topical courses are devoted to reflection in some of the fundamental areas of philosophical inquiry. Building on readings from the tradition of Western philosophy, they are aimed not merely at textual exegesis, but at understanding the "things themselves."

7310. Epistemology. Study of the theory of knowledge. What is knowledge? Why do we value it? What are its sources, kinds and limits? What is the role of trust and other virtues in our epistemic lives? What place do epistemic goods have in a well-lived life?

7320. Ethics. Examination of philosophical ethics. Inquiry into such matters as duty, virtue, right, justice, obligation, conscience, practical reason, pleasure, happiness, friendship, moral education, non-cognitivism, pluralism and relativism.

7330. Philosophical Anthropology. A philosophical investigation of the fundamental aspects and elements of being human. Topics such as the psychophysiological constitution of the human being; animal and rational powers (including locomotion, sensation, imagination, memory, rationality, affect, volition and freedom); natality and mortality; personhood; the spiritual character of human being and the prospect of immortality; the variety of approaches to studying human being.

7340. Philosophy of God. A metaphysical study of the highest knowable reality, God. Topics such as arguments for the existence of God; ways of approaching God in thought (e.g., the ways of causality, negation and eminence); attributes of God;

the relationship between God and the world; language suitable for speaking about God; historical factors contributing to the development of human thinking about God; objections to the existence of God, especially in relation to naturalism and the problem of evil.

7350. Metaphysics. The investigation of the principles of being. Topics such as the difference between being and beings; the one and the many; necessity and possibility; substance, spirit and matter/energy; cause and effect; act and potency; essence and existence, eternity and time; the existence of a First Being; and the very possibility of metaphysical inquiry itself.

7360. The Nature of Tradition. The Nature of Tradition reflects on the role of tradition in the quest for philosophical truth. Is "tradition" simply a name for the present's relationship to the past, or is it a special kind of relationship? What has been constitutive of what we call the "Western Tradition"? What is the role of classic texts and works in a tradition? Is modernity by its nature opposed to tradition? Does it make sense in the West to speak of a single tradition, or must we talk about a plurality of them? Can any significant continuity with the past be reestablished once it has been broken (should it be)? The course may include consideration of works from any discipline and any time period relevant to this questioning.

7377, 7378, 7379. Special Studies. Unlisted courses offered according to student interest and faculty availability. As needed.

7381. Directed Readings and Research. Special programs of inquiry, by mutual consent of student and professor with the approval of the Program Director.

Research Seminars

The Research Seminars are advanced courses usually restricted to doctoral students. They reflect current faculty research, both on particular thinkers and on specialized topics.

8310. Plato. An advanced seminar on one or more texts (such as *Theaetetus/Sophist/Statesman*, *Philebus*, *Timaeus/Critias*) or themes (such as Socrates's forms or ideas, his philosophers [Socrates, Eleatic Stranger, Athenian Stranger]). Close reading of primary texts will be complemented by discussions of recent scholarly literature and of student research. There will be an emphasis on writing for publication and students will get to know the various scholarly communities that read and write about Plato, with a view to refining their own scholarly aspirations.

8315. Aristotle. An advanced seminar on one or more texts (such as *On the Soul*, *Metaphysics*, or *Nicomachean Ethics*) or themes (such as the Aristotle's teleology or his concept of nature). Close reading of primary texts will be complemented by discussions of recent scholarly literature and of student research. There will be an emphasis on writing for publication and students will get to know the various scholarly communities that read and write about Aristotle (and the history of philosophy more generally), with a view to refining their own scholarly aspirations.

8320. Cicero and Augustine in Dialogue. A discussion-based course with a reading of three dialogues by Cicero (*Tusculan Disputations V*, *Academica*, *De natura deorum*) followed by a reading of Augustine's *Cassiciacum Dialogues*, which correlate topically with Cicero's dialogues. Goals of the course include the following: understanding Cicero's and Augustine's positions concerning foundational moral, epistemological and metaphysical issues; becoming familiar with the schools of thought in Rome during Cicero's time (i.e., Epicureanism, Stoicism, Peripateticism and Skepticism); considering Augustine's reliance on and distinction from Cicero as

a philosopher; contemplating how belief in Christ may change one's philosophical approach and positions, as exemplified in Augustine.

8325. Maimonides. An advanced seminar on Maimonides's *Guide of the Perplexed*, with collateral reading in his *Commentary on the Mishnah* and *Mishneh Torah* (Code of Law) as well as in the broader intellectual tradition of Jewish and Islamic theology and philosophy to which Maimonides is responding. Close reading of the primary texts will be complemented by discussions of recent scholarly literature.

8330. Descartes's Thinking. This course examines not just Descartes's thought (i.e., his philosophy) but also his way and conception of thinking (*cogitatio, pensée*). Far from being a textbook rationalist, he was a man as steeped in Renaissance humanism and medieval meditative techniques as in the methods of modern mathematical and mechanical science. The course explores this Descartes on the basis of his writings and letters from his earliest notebooks to the masque he wrote for performance at the court of Queen Christina of Sweden.

8335. Spinoza. An advanced seminar on Spinoza's *Ethics*, with collateral reading in his *Theologico-Political Treatise*, *Emendation of the Intellect*, or *Short Treatise*. Close reading of primary texts will be complemented by discussions of recent scholarly literature and of student research. There will be an emphasis on writing for publication and students will get to know the various scholarly communities that read and write about Spinoza, with a view to refining their own scholarly aspirations.

8340. Hegel's *Encyclopaedia*: Logic, Nature, Spirit. This is the only place where Hegel's system is presented in its entirety, though largely in outline form. The central questions of Hegel's thought are, What is human rationality? What are the cultural conditions for its maximal flourishing? What kind of universe is required for such existence? Logic in the broad sense presents the interlocking conditions for answering such questions. Its general form is found in Nature operating in the principle of externality and in human Spirit, in terms of the principle of identity-in-difference between Spirit and embodiment, between individual and community, between man and God and within God Himself.

8346. Wittgenstein. Exploration of the thought of Ludwig Wittgenstein through study of his *Tractatus Logico-Philosophicus* and *Philosophical Investigations*. Exploration of problems dealt with in the *Tractatus*, including logical atomism, realism about language, the picture theory and the philosophical significance of solipsism. Treatment in the *Investigations* of such topics as the first person, other minds, sensation, private language, skepticism, meaning and understanding, being guided, thinking and intending.

8350. Lonergan's *Insight*. Bernard Lonergan's *Insight* is a major work which some think is the most important contribution to epistemology in the twentieth century. *Insight* explores human knowing as a complex of essentially different acts by which we understand, judge and affirm our very acts of understanding, judging and affirming. The seminar will include parallel readings from Lonergan's Halifax Lectures, *Verbum* articles and background materials from Newman's *Grammar of Assent*.

8355. Christianity and Postmodernism. A study of thinkers and works at the intersection of contemporary Continental philosophy and the Christian intellectual tradition. Possible topics include the writings of John Caputo, Jean-Luc Marion and the representatives of Radical Orthodoxy; the treatment of Augustine's *Confessions* by Jacques Derrida, Jean-François Lyotard and Jean-Luc Marion; the role of St. Paul in Alain Badiou and Giorgio Agamben; etc.

8360. The Notion of Being. What first arises within human awareness is the question of Being that orients us toward the Whole. It is this orientation that makes intellection and volition possible. This orientation has typically been conceived intellectually, but more recently in terms of the relation of full humanness to the underlying mystery of Being. Readings in Parmenides, Plato and Aristotle; Avicenna and Aquinas; Spinoza, Hegel and Heidegger.

8365. Metaphysical Themes. Historical and critical considerations of selected metaphysical themes, including: univocity and analogy, individuals and universals, nature and person.

8370. Themes in Social and Political Philosophy. Historical and critical consideration of selected notions basic to social and political philosophy, including: common good, subsidiarity, solidarity, law and natural law, marriage and family, person.

8375. *Res extensa*. From Plato on, philosophers have identified spatial extension as the basic condition of a certain kind of reality, a reality sometimes identified by contrasting it with a possibly distinct "psychic" or "mental" reality. The course attempts to clarify, through a historical and dialectical investigation, the nature of spatial extension and its place in the world. Texts and ideas will be drawn from philosophers such as Plato, Aristotle, Plotinus, Aquinas, Descartes, Locke, Leibniz, Berkeley, Hume, Kant, Husserl and Merleau-Ponty; and from mathematicians and scientists such as Descartes, Newton, Faraday, Riemann, Poincaré and Einstein. Themes include the essential attributes of spatial extension itself; its relation to spatially extended physical and phenomenal qualities and to geometric systems of measurement; our knowledge of what extension is and of the manner of its existence; spatial extension and space or space-time; the putative distinction between spatial and psychic realities.

8380. Philosophy of Imagination. At least since Plato identified the human ability to apprehend images as such in Book VI of the *Republic*, imagination in its various forms has been considered an essential psychological power. For Aristotle no thinking could take place without images; for neo-Platonism it allowed higher things to be glimpsed through material ones, but was also a fundamental source of error. Both rationalists and empiricists tried to domesticate it and in Kant, Idealism and Romanticism it turned into a power that allowed what is intelligible to appear (for example, through art) and in some cases even superseded reason. This course not only reviews the history of imagination, but also addresses what it is and how it is intrinsically related not just to sensation and reason but also feeling, emotion and will and is therefore omnipresent in the normal and extraordinary functions of human life.

POLITICS

The study of politics at the university comprises all human things. If the *polis* is the association whose purpose is the complete human life, then politics includes all the activities whose end is the complete human life. In reflecting upon these activities, politics becomes philosophic. Indeed, it is only political philosophy, whose founder was Socrates, which takes seriously the possibility of the best regime as the standard whereby every other polity is to be judged. Political philosophy, according to Aristotle, is an inquiry into the soul. For it is ultimately the proper order of the human soul that determines the proper order of constitutions.

The modern difficulty is that we no longer think of politics as concerned with all human things. The state has replaced the *polis* and that means that we now understand politics as concerned only with the external conditions for human existence.

The Institute's politics program attempts to show the student that the great texts of political philosophy are not meant to be systematic treatises with propositions which are to be memorized as true statements, but are instead indications, suggestions, openings, into existence. It is only in conversation—in the exchange between the texts, the students and the teacher (who is but a more experienced student)—that the texts come alive. These works do not so much state what the nature of things is as reproduce a journey of the soul toward seeing or intellecting both the principles and ends of existence. Thus a different kind of reading and scholarship is required, one which is able to reproduce this journey of the soul.

The program also means to restore the importance of the rhetorical tradition. We wish to restore the understanding that the word has a power over the soul. The tendency in political thought today is to interpret human actions as caused by some impersonal force, whether mode of production, the market place, sexual or biological forces, or the mysterious dispensations of History. Political thought becomes an epiphenomenon, a mere reflection or deceptive rationalization of true hidden causes. Thus not rhetoric but a science of economics, of behavior, or of the history of being is said to be of primary importance.

Courses in contemporary politics are an integral part of the program. Just as Aristotle's *Politics* contains careful political analyses of the ancient Greek cities, so today the philosophic study of politics must provide an account of contemporary political life. In any program focusing on great texts there is always a danger of self-forgetful immersion in the past. The study of the present reminds us that political philosophy is intended not merely to understand political life but also to guide it—in light of its ultimate goal, the good society.

Through the program in politics, the Institute hopes to help form students who will be able to bring to the sempiternal political questions understanding shaped by the centuries of discourse on such questions. Students are asked to read the works of the tradition with a seriousness which, in the past two centuries, has too often been lacking. Such seriousness requires not only native intelligence and good character, but also a great capacity for work and a willingness to acquire all the tools necessary for such a task. One of these tools is a knowledge of the languages in which these works were originally written. Students must obtain a working knowledge of at least two of the languages of the philosophic tradition, one ancient and one modern. Those who do not have adequate preparation in political philosophy may be required to take courses in the major curriculum in the Constantin College.

COURSES IN POLITICS

See **M.A. Politics** for description of other courses.

6372. Plato's Republic. The implications of the form in which the seminal book in Western political philosophy is written are considered; the political and philosophic alternatives rejected by Socratic-Platonic teaching are also discussed.

6376. Aristotle's Ethics. The ethical basis of political life investigated through a study of the *Nicomachean Ethics*.

6377, 6378, 6379. Special Studies. Courses offered according to student interest and faculty availability.

6381. Machiavelli. The thought of this seminal thinker of modernity investigated through a reading of the *Discourses on Livy*. Other works, especially *The Prince*, are consulted to establish the broader context of Machiavelli's political teaching.

6384. Hobbes. The founding of modern political science was accomplished by Hobbes. The *Leviathan* and *On the Citizen* are read. Attention to the connection between modern science and political science.

6387. Locke. The political philosophy of John Locke, including the *Two Treatises of Government* and the *Essays on the Law of Nature*. Locke's criticism and re-interpretation of traditional natural law and the importance of his teaching for understanding modern liberal regimes, are examined.

6388. Rousseau. The first thoroughgoing critique of modernity was made by Rousseau, giving a new direction to philosophical thought. Texts: the *Emile*, the *First and Second Discourses* and *The Social Contract*.

7351. Directed Readings and Research. Special programs of inquiry, by mutual consent of student and professor with the approval of the Program Director.

7370. Herodotus.

7371. Xenophon. The *Memorabilia Oeconomicus*, the *Hiero* and *Cyropaedia*. The work of Xenophon as essential for the understanding of Socrates' teaching.

7374. Dialogues of Plato. To be selected by the instructor.

7376. Aristotle's Politics. Study of Aristotle's *Politics* as an introduction to the classical understanding of man and society. Emphasis on the dialogical or tentative character of Aristotelian teaching.

7380. Medieval Political Philosophy. The confrontation of Greek Philosophy with the revealed religions (Christianity, Judaism and Islam) posed the need for a new expression of the classical teaching. Authors: Thomas Aquinas, Avicenna, Maimonides and Alfarabi.

7388. American Regime. A study of the principles and structure of the American political order

7394. Nietzsche. Nietzsche's mature thought studied through a reading of *Beyond Good and Evil* and the third part of *Genealogy of Morals*. Nietzsche's relation to his historicist precursors and existentialist successors emphasized.

8385. Spinoza. The political writings of Spinoza, including the *Theologico-Political Treatise* and the *Political Treatise*. The relation of politics and religion is discussed, as well as the grounds for the first philosophic recommendation of free speech and democracy.

8396. Shakespeare Seminar. Shakespeare's understanding of politics and the question of the relationship between poetry, philosophy and political thought. Does Shakespeare present a history of Western civilization from Athens to England?

American Studies

FACULTY

Director and Professor Alvis; and Participating Faculty

At its founding America created a new political order, one dedicated to fostering a life of ordered liberty in accord with "laws of Nature and Nature's God." Novel though it was, the project thus begun has sought to realize conceptions of the best life for human beings as that understanding has emerged over the course of Western civilization. Coming to grasp and to assess that project, therefore, requires investigating a tradition of thought and experience extending far back in time, a tradition that has been transmitted through works of moral and political philosophy, through imaginative literature, and from historical experience of statesmanship, revolution, and constitution making.

The Master's program in American Studies provides opportunity to consider Americans' revolutionary enterprise in the light of precedents extending back to classical antiquity. It investigates the understanding of human nature, political order and justice underlying American institutions through the study of political philosophers, European and American statesmen and imaginative writers of the Old World as well as the New. Master's candidates will also examine challenges to those ideas posed by dissenters resulting in transformation of some of those institutions with the Civil War and in recent times. Students will compare the present self-understanding of Americans with earlier expressions of self-definition in an effort to reestablish connections between this nation's self-understanding and a Western tradition that has drawn guidance from reason, biblical revelation, and aspirations toward responsible freedom.

The program is designed for teachers or those interested in teaching careers on either the secondary or college level and for those interested in preparing for positions of leadership in public affairs.

ADMISSION REQUIREMENTS

Application for admission includes a complete application form, two letters of reference, a statement of purpose and an intellectual autobiography, a sample of academic writing and official transcripts of previous college work. Completion of a bachelor's degree is a prerequisite to entrance.

DEGREE REQUIREMENTS

The Master of American Studies requires 30 hours of course work selected from the following list of courses and a comprehensive examination. Students are advised (and will be actively advised by the American Studies graduate director) to take a broad array of courses both with respect to department or discipline and temporally. Students may petition to have additional courses from English, History, and Politics, as well as from other departments such as Art, Classics, Economics, Theology, and Philosophy, counted toward their American Studies degree. No thesis or foreign language is required.

English courses:

English 5319. Classical Epic.

English 5352. Augustan Literature.

English 5323. Modern Southern Literature.

English 6333. Milton.

English 6336. Thomas More.

English 6337. Pope, Swift, and Their Circle.

English 6338. The Age of Johnson.

English 6361. Faulkner.

English 6362. Hawthorne and Melville.

English 6364. Liberty in Literature.

English 6369. Henry James.

English 6370. Conrad.

English 7316. Shakespeare's Histories.

English 7352. English Romanticism.

English 7366. Modern Fiction.

History courses, all 5300-level courses:

History. Seventeenth-Century America.

History. Eighteenth-Century America.

History. The Scottish Enlightenment.

History. Age of Jefferson.

History. Age of Jackson.

History. The Civil War.

History. America 1880–1920.

History. America since 1920.

History. American Catholic I & II.

History. American South.

History. American Intellectual History.

History. American Women's History.

Politics courses:

Politics 530X. The Enlightenment and Liberal Democracy.

Politics 530X. The American Founding.

Politics 530X. Politics and Parties.

Politics 530X. Hobbes, Locke, Rousseau.

Politics 530X. Progressivism.

Politics 530X. 20th Century Political Thought and Policy.

Politics 530X. Modernity and Post-Modernity.

Politics 7376. Aristotle's Politics.

Politics 6312. Plutarch, Augustine, Machiavelli.

Politics 6321. Lincoln.

Politics 6323. Constitutional Law.

Politics 6326. The Presidency.

Politics 6327. Civil Rights.

Politics 6328. Congress.

Politics 6377. Federalist/ Anti-Federalist.

COURSES IN AMERICAN STUDIES

6351. Directed Reading.

6377, 6378, 6379. Special Studies. Courses offered according to student interest and faculty availability.

6V99. Graduate Reading. Registration for this non-credit course indicates that the student is involved full-time in studies necessary for the completion of degree requirements. At the end of each course the student must demonstrate progress. Normally, Master's students are limited to a total of two Reading courses. A matriculation fee is required. This fee entitles the student to the use of the library and other basic services.

Art

FACULTY

Co-Chairs Associate Professor Shore and Assistant Professor Caesar; Professor Hammett; Associate Professor Owens; Assistant Professor Foutch

ADMISSION REQUIREMENTS

Applicants for the graduate programs in art must submit all materials by February 15 to be considered for regular admission into the next fall semester. No candidates will be considered for admission into the spring semester. The art faculty reserves the right to refuse any applications received after the February 15 deadline.

An application for admission has to include a completed application form, two letters of reference, a statement of purpose, a portfolio of at least ten representative works and official transcripts of all previous college work. Possession of a bachelor's degree is prerequisite for entering the Master of Arts in Art program.

Students are awarded a full tuition scholarship on a competitive basis for the course work needed to complete the program. Part-time study is not possible. Scholarship holders are expected to be available for departmental tasks upon request, not to exceed five hours per week.

Studio/research/grading assistantships are awarded in areas of art history, ceramics, painting, printmaking and sculpture. Teaching assistantships are rare and depend on the needs of the department. Loan applications are sent to the Financial Aid Office.

THE MASTER OF ARTS IN ART

The Master of Arts in Art is the intermediate level graduate program for students, who may specialize in painting, printmaking, ceramics and sculpture. It allows for concentrated study over an extended period of time under personal and intensive guidance of the graduate Art faculty and with an assigned major professor. Students and faculty members are engaged in critical interaction through studio critiques and a formal review. The purpose of the program is to present students with theoretical and practical knowledge to make art approaching professional quality.

The M.A. in Art is offered for students who are intent on pursuing a terminal degree in art such as the M.F.A. It also aims to meet the needs of art teachers in secondary schools who wish to deepen their knowledge of their field.

The M.A. requires a minimum of thirty credits, of which fourteen credits must be earned in the following: two consecutive semesters of the M.A. Seminar, a course in both modern and contemporary art and the M.A. Exhibition course. Studio courses can be selected by the student with the approval of the major professor. After the completion of nine to fifteen hours of course work students must apply for candidacy. In the candidacy review the full graduate art faculty examines the student's work and knowledge and grants or denies candidacy. The examination may be repeated only once, within the period of one semester. At ten credits per semester, completion of the program normally takes three semesters (including independent study during the summer). The program culminates in a thesis exhibition and an oral defense of the exhibition. The thesis exhibition is presented on campus. Full documentation of the exhibition is required before the degree is granted.

THE MASTER OF FINE ARTS

The Master of Fine Arts is the accepted terminal degree for studio artists. It is the purpose of the M.F.A. program to develop students who have superior competence in their studio area, knowledge of a spectrum of studio procedures, proficiency in the history of art and an understanding of the responsibilities of the artist or the artist-teacher.

The program is designed for students of high qualifications who wish to prepare themselves as professional artists and for positions in senior institutions. It requires the completion of the Master of Arts program from the university or other colleges and acceptance by the full graduate art faculty.

The program requires a minimum of thirty hours beyond the Master of Arts. The following courses are required: two consecutive semesters of M.F.A. Seminar, two graduate courses in art history and the M.F.A. Exhibition course. All other courses are selected with the approval of the major professor. At ten credit hours per semester, completion of the program normally takes three semesters as well as two summers of independent study. It is completed by the M.F.A. Exhibition, a professional exhibition on or off campus and by an oral examination by the full graduate art faculty. Students entering the program with an M.A. from another institution have their work and knowledge examined by the faculty after completion of nine to fifteen hours of study. Presentation of full documentation of the exhibition including an artist statement is required for the granting of the degree.

GRADUATE COURSES IN ART

Course Numbering. The "V" designation in the course number indicates the possibility of variable credit. Per semester courses may range from one to five credits.

5342. Ancient Art. A history of the art and architecture of Greece and/or Rome. The instructor may choose to emphasize a particular aspect of ancient art.

5354. History of American Art. From the colonial period to the present.

5356. Art of the Italian Renaissance. A history of the art of the Renaissance in Italy, Giotto to Mannerism.

5357. Special Studies in Art History. Focus on a special topic, period, or artist according to the discretion of the professor.

5365. Medieval Art. A history of art and architecture of the Romanesque and/or Gothic periods. The instructor may choose to emphasize a particular aspect.

5367. Northern Renaissance. Late Gothic and Renaissance art in Europe outside Italy, with emphasis on Flemish and German painting.

5368. Baroque to Neoclassical. The history of European art and architecture of the Baroque, Rococo and/or Neoclassical periods. The instructor may choose to focus on any aspect of Northern or Southern Baroque, Rococo, or Neoclassicism.

5397. Nineteenth Century Art. A survey of art and architecture in the nineteenth century, from Romanticism to Impressionism.

5398. Modern Art. A survey of early and mid-twentieth century art and architecture.

5399. Contemporary Art. A survey and analysis of the art and architecture of the mid-to-late twentieth-century and the twenty-first century.

5V59. Advanced Drawing. A continuation of Art 3329. Students are expected to create drawings as complete independent works of art. Fall and Spring.

6351. Directed Readings. Readings in art history and criticism focusing on a particular period, theme, or artist.

6V59. Graduate Drawing. Variable credit. Fall and Spring.

6V77, 6V78, 6V79. Special Studies in Art History.

6V99. Graduate Reading. Registration for this non-credit course indicates that the student is involved in studies necessary for degree completion. At the end of each course the student must demonstrate progress. Normally, Master's students are limited to two Reading courses. The fee required entitles the student to the use of the library and other services.

7293–7294. M.A. Seminar. Fall and Spring.

7495. M.A. Exhibition. A "T" grade is assigned until completion.

7V59. M.A. Drawing. Fall and Spring.

7V72–7V73. M.A. Sculpture. Fall and Spring.

7V74–7V75. M.A. Painting. Fall and Spring.*

7V76–7V77. M.A. Ceramics. Fall and Spring.*

7V78–7V79. M.A. Printmaking. Fall and Spring.*

7V91. Graduate Problems. Theoretical or Studio Research. Prior to registration, students present a brief proposal in writing to their professor. Variable credit. Fall and Spring. Not generally permitted in the first semester.

7V99. M.F.A. Reading. Registration for this non-credit course indicates that the student is involved full time in studies necessary for degree completion. At the end of each course the student must demonstrate progress. Normally, M.F.A. students are limited to four Reading courses. The fee required entitles the student to the use of the library and other services.

8293–8294. M.F.A. Seminar. Fall and Spring.

8899. M.F.A. Exhibition. A "T" grade is assigned until completion.

8V59. M.F.A. Drawing. Fall and Spring.

8V72–8V73. M.F.A. Sculpture. Fall and Spring.*

8V74–8V75. M.F.A. Painting. Fall and Spring.*

8V76–8V77. M.F.A. Ceramics. Fall and Spring.*

8V78–8V79. M.F.A. Printmaking. Fall and Spring.*

8V91. Graduate Problems. Fall and Spring.

***MA and MFA studio courses may be repeated for up to five credits under each number.**

Catholic Teacher Certificate

ADVISOR

K. Haaser

The Catholic Teacher Certificate is a graduate-level program designed for teachers already teaching in Catholic schools, newly hired by a Catholic school, as well as those interested in teaching in Catholic schools who wish to develop, support, and enhance their pedagogical skills and commitment to Catholic education. The certificate program offers not only distinctive professional development in education but also emphasis on the integration of faith into teaching and learning. Teachers and prospective teachers enrolled in the program will gain foundational knowledge, methodology, and practical experience in the field of Catholic education. In particular, students will develop skills and learn strategies for integrating Catholic values into the curriculum.

Although the Catholic Teacher Certificate program is designed to meet the needs of Catholic school teachers across the nation, a University of Dallas Catholic Teacher Certificate allows a teacher or prospective teacher to not only meet but also exceed the Texas Catholic Conference Education Department pedagogy requirements to teach in Texas Catholic Diocesan schools. In addition, courses earned toward the certificate may be applied toward one of the planned graduate degree programs in education at the University of Dallas, or to satisfy some of the Texas Education Agency (TEA) and Texas State Board of Educator Certification (SBEC) requirements for full Texas public school teacher certification.

ELIGIBILITY REQUIREMENTS

1. Bachelor's Degree with a minimum overall GPA of 2.75, or 2.75 in the last 60 hours
2. Commitment to Catholic education
3. Verbal Proficiency (To be determined during the application process)
4. Writing Proficiency (To be determined during the application process)

TUITION

The University of Dallas is offering Catholic school teachers a reduced cohort pricing. Catholic school teachers and/or prospective Catholic school teachers who apply for and are accepted into the Catholic Teacher Certificate Program will be identified as members of the Catholic Teacher Cohort. Members of the Catholic Teacher Cohort are eligible for a substantial tuition discount. For the 2015–2016 academic year, graduate tuition for students in the Catholic Teacher Cohort will be \$400 per credit hour.

OUTLINE OF THE PROGRAM

The Catholic Teacher Certificate Program is designed to meet the needs of those interested in teaching in the elementary, middle school, or high school grades in Catholic schools. It requires a student to complete 18 credit hours. The courses required for the certificate vary depending on the level (elementary or secondary) of Catholic teacher certification sought.

All students seeking Catholic Teacher Certification are required to take the following 12 credit hours:

EDU 5342. Foundations of Catholic Education – Catholic teachers are placed in a specialized Catholic Teachers Cohort section of the course.

EDU 5352. Educational Evaluation/Assessment

EDU/PSY 6326. Human Growth and Development

PLUS one of the following:

RPS 6336. Catechetics and the Development of Faith

An approved RPS elective from the School of Ministry

Catholic Teacher Certification with Elementary Education Emphasis (6 credit hours required): Students seeking the Catholic Elementary Teacher Certificate with an interest in teaching at the elementary level (grades K-6) are required to complete the following additional courses:

EDU 6333. Foundations of Literacy Learning (with clinical practice in a Catholic school classroom. For teachers employed by Catholic schools, the clinical practice can be completed while on the job.)

PLUS one of the following:

EDU 6324. Teaching Elementary Math (with clinical practice in a Catholic school classroom. For teachers employed by Catholic schools, the clinical practice can be completed while on the job.)

EDU 6325. Teaching Elementary Science (with clinical practice in a Catholic school classroom. For teachers employed by Catholic schools, the clinical practice can be completed while on the job.)

Catholic Teacher Certification with Secondary Education Emphasis (6 credit hours required): Students seeking the Catholic Secondary Teacher Certificate with an interest in teaching at the secondary level (grades 6-12) would be required to complete the following additional courses:

EDU 5323. Reading in the Secondary Schools (with clinical practice in a Catholic school classroom. For teachers employed by Catholic schools, the clinical practice can be completed while on the job.)

EDU Elective Choose one 3-hour course from among the following:

EDU 6321. Technology in Teaching

EDU 6344. Curriculum and Instruction in Secondary Schools

EDU 5357. ST/Gifted Learners

An approved education elective

COURSES IN EDUCATION

EDU 5342. Foundations of Catholic Education. This course increases the student's awareness, knowledge, and understanding of the many complex factors that shape education in Catholic schools. While reading and reflecting upon relevant primary and secondary sources and engaging in thoughtful, collegial discussion, the student will explore the history, mission, identity, and value of Catholic schools. Students will review relevant Church documents, scholarly texts, and research to evaluate the

health of Catholic schools, the effects of Catholic education, and the values (both promises and perils) of Catholic education in 21st century America. Special attention will be given to examining trends related to teaching and learning in Catholic environments, infusing Catholic identity into educational practice, and constructing a thoughtful, personal philosophy of education. At the end of the course, students will be expected to submit a Catholic Education Portfolio.

EDU 6321. Technology in Teaching. The course assists both pre-service and in-service teachers to explore the use of the computer as a tool for learning. Students will experience the computer as a "guide" to communication and research, an "organizer" for the presentation of knowledge, and as a "mediator" in the construction of knowledge. While developing skills to search the internet, evaluate web sites, create multimedia presentations, implement interactive spreadsheets, construct web pages, select interactive learning tools, students will be expected to author a coherent learning environment designed to achieve a unified set of goals for a targeted group of learners. While developing skills in a "hands-on" project-based learning environment, students will come to understand that the computer can serve as an intellectual partner that is designed to engage and support critical thinking and higher order learning. This course exceeds the educational technology foundations for teachers as defined by the Texas Education Agency (TEA), the National Council for Accreditation of Teacher Education (NCATE), and the International Society for Technology in Education (ISTE).

EDU 6324. Teaching Elementary Mathematics. This course is designed for graduate students learning to teach elementary school mathematics. Content covered includes the pedagogy of teaching mathematics, problem solving, numerical reasoning, number theory, multiplication, algebraic and fractional expressions, graphing and interpretations of graphs, probability, data analysis, geometry, measurement, and special reasoning. Students in this course are required to complete clinical practice in an elementary classroom.

EDU 6325. Teaching Elementary Science. This course is designed for graduate students learning to teach elementary school science. It supports the concept that inquiry science is important in daily curriculum for elementary school students. To that end, the content covered in this course includes the pedagogy of teaching science using the 6E lesson planning model, development of content knowledge in several areas of elementary science, the contributions of and the process of research, and the practice of scientific investigation in the elementary classroom. Students in this course are required to complete clinical practice in an elementary classroom.

EDU/PSY 6326. Human Growth and Development. This course explores the physical, cognitive, social, and moral growth of children from infancy through early adolescence. Students will investigate major theories of development, with emphasis on the work of Piaget, Erikson Kohlberg, and Vygotsky. Students will be expected to identify the unique qualities of learners (including those with learning differences as well as those who are gifted) and how various learners develop, construct meaning, and acquire knowledge and skills. Because children themselves are the primary texts for the course, students will be expected to engage children in a modified research study rooted in a critical theory of development. By the end of the course, students will be expected to build an argument – based on reading and research – on whether nature or nurture has the greater influence on the development of the child.

EDU 6333. Foundations of Literacy Learning. This course addresses the major components of literacy programs from pre-kindergarten through grade 12. The

theoretical foundations of literacy are discussed as well as the interrelated components of literacy across all developmental stages of oral and written language. Current, research-based literacy development knowledge and strategies are explored, commensurate with state requirements for students and teachers. Candidates will investigate essential literacy components of oral language, phonological and phonemic awareness, the alphabetic principle, word analysis, fluency, vocabulary, comprehension, and written language.

EDU 6344. Curriculum and Instruction in Secondary Schools. Teaching effectiveness, now more than ever, is rooted in the teacher's ability to develop responsive curriculum and responsive instructional strategies to meet the diverse needs of learners. In this course students relate learning theory and pedagogical practice to topics that include, but are not limited to, curriculum standards, responsive curriculum development, instructional methods, lesson planning, classroom management, gender differences in the learning environment, and assessment.

Classics

FACULTY

Chair and Associate Professor Sweet; Professor Hatlie; Assistant Professor Danze; Affiliate Assistant Professors Asso and Davies (English)

In recent decades there has been a renewed and welcome demand for the re-entry of Greek and Latin into all stages of education, from primary schools to universities. The master's program in Classics is the university's response to this demand at the post-baccalaureate level. The program aims to satisfy the needs of a variety of potential students by offering study in one or both languages for those who have done none in either language or a little or even a substantial amount in one or both. The more knowledge students bring with them the further they can progress. Some may earn the degree in order to apply for a Ph.D. in Classics elsewhere. Others will use it to teach in primary and secondary schools. Still others will simply want to fill some lacunae in their education. Because of the different needs of entering students, the program is designed to be as flexible as possible. It includes an opportunity to take courses outside of those taught by the Classics Department, courses wherein the reading is done in English, but which are appropriate for students who want to expand their acquaintance with classical texts. The program recognizes that in quantity more of the great works of antiquity can be read in translation than in the original languages. In the interest of breadth, therefore, at least three such courses may be made part of the degree, with the understanding, however, that depth comes most assuredly through reading the texts in Greek and Latin. At least five courses, therefore, must be at the graduate level in one or both of the languages. In consultation with an advisor, students will construct degree plans that best meet their individual needs. Plans will vary depending upon these needs and the amount of the languages students bring with them, even including none of either. It is never too late to start.

DEGREE REQUIREMENTS

The program offers two degrees:

Master of Arts in Classics

1. 24 credit hours of course work at the 5000 level or above (at least 15 hours must be in Greek or Latin courses or both; 9 may be in related fields where the reading is done in translation)
2. 6 credit hours for a Master's thesis
3. Reading knowledge of one or both languages sufficient to do work at the 5000 level
4. A comprehensive exam to be passed before submitting a thesis proposal

Master of Classics

1. 30 credit hours of course work at the 5000 level or above (at least 15 hours must be in Greek or Latin courses or both; 15 may be in related fields wherein the reading is done in translation)
2. Reading knowledge of one or both languages sufficient to do work at the 5000 level
3. A comprehensive exam to be passed in the final semester before the degree is granted

Additional Stipulations

1. Time limit: all requirements ordinarily must be met within six years of a student's initial registration in course work, excluding leaves of absence.
2. Transfer credits: up to nine credit hours of graduate work done at other institutions may be accepted for transfer after a student has completed at least nine credit hours at the university.
3. For students with no prior knowledge of a classical language, completion of the elementary and intermediate courses in at least one language will be necessary. The Summer Classical Languages Institute is designed to enable students to meet this requirement quickly.

ADMISSION REQUIREMENTS

Application for admission to the master's programs in Classics requires a completed application form, two letters of reference, a statement of purpose, an intellectual autobiography, a sample of academic writing, and official transcripts of previous college work. Possession of a bachelor's degree is prerequisite to matriculating, but not necessarily one in the humanities. Special students are welcome to participate after consulting with the Graduate Director in Classics.

Nota bene: Knowledge of Latin or Greek is not a prerequisite for admission to the program.

COURSES IN CLASSICS

Consult the entry for the Classics Department in the undergraduate section of the Bulletin. All courses listed there at the 3000 or 4000 levels may be taken for graduate credit at the 5000 level with the addition of supplementary work, typically a longer list of assigned readings and/or a longer paper.

COURSES IN RELATED FIELDS

A few examples of courses that may be taken for credit in other departments of the humanities are:

English

5318. Tragedy/Comedy.

5319. Classical Epic.

History

530X (3303). Ancient Greece.

530X (3304). The Roman Republic.

530X (3305). The Roman Empire.

Philosophy

530X (3343). From Ancient to Medieval Philosophy.

Politics

530X (3331). Plato's Republic.

530X (3332). Aristotle's Politics.

530X (4311). Thucydides: Justice, War, and Necessity.

530X (4350). Aristotle's Ethics.

English

FACULTY

Director and Associate Professor Stryer; Professors Alvis, Crider, Dupree, Gregory and Wegemer; University Professor Emeritus L. Cowan; Associate Professors Bourbon, Kenney, Moran, Osborn, Romanick Baldwin, Roper and Waterman Ward; Assistant Professors Davies and Davis.

OVERVIEW

The Master's program in English at the University of Dallas is intended for those who wish to pursue the advanced study of Literature in English within the context of the Western tradition of culture and thought. The goal of our program is to develop and perfect a student's capacities for sophisticated and independent thinking about literature, through which one can reach wisdom about the human condition.

The Master's program is focused on the humanities, broadly understood. This combination allows students to achieve an unusual depth and breadth of understanding. Students are encouraged to integrate their literary studies within the broader traditions of thought and culture represented by the core curriculum. These traditions, however, are not constituted simply by the history of English literature. They consist of a set of overlapping and integrated traditions of philosophy, politics, and culture.

The program leading to a Master's in English is designed for those interested in deepening their knowledge and competence in the analysis of and the writing about literature. Our program appeals to a select audience, including students who may not have earned a Bachelor's degree in English Literature but who want to increase their knowledge of the English Literary tradition and the philosophy and theory of art. The Master's program, in addition to its general focus on human knowledge and understanding, prepares students to pursue careers in teaching, journalism, law, and business, and is an excellent preparation for students wishing to pursue a Doctorate at any university, in any number of programs in the humanities.

SUMMARY OF PROGRAM REQUIREMENTS

1. **Registration:** a minimum of one year enrollment
2. **Advising:** 2 meetings per semester with assigned advisor
3. **Coursework and requirements:**
 - Master of Arts (M.A.):
 - Eight courses (24 credits) and a thesis tutorial (6 credits), with a GPA of 3.0 or higher.
 - Submission of Master's Thesis, approximately 40 pages of original critical work
 - Demonstrated proficiency in a foreign language.
 - Master of English (M.E.)
 - Ten courses (30 credits), with a GPA of 3.0 or higher.
 - No thesis or foreign language requirement

For either program, the courses must include the following:

- ENG 5315: Introduction to Literary Study, taught each Fall term
 - Five graduate level seminars in English Literature.
4. A positive evaluation on the **comprehensive examination**.
 5. Completion of above requirements **within 6 years of matriculation** at the University of Dallas

Notes:

- Transference of Units: Up to 9 units of graduate work with grades of B or higher at another institution may be transferred to satisfy unit requirements for the Master's degree.
- Language Proficiency: Before beginning the M.A. thesis the candidate will demonstrate a reading competency in Greek, Latin, French, German, Spanish, or Italian. The language requirement may be met by completing an upper level language course with a grade of B or better or by passing an examination in translation.

Application:

- Completed application form
- 750 word statement of purpose
- Official transcripts of previous college work
- General and English subject GRE test scores (from within the last three years)
- Two letters of recommendation
- A sample of academic writing
- Applications will be evaluated regardless of undergraduate major.

COURSES IN LITERATURE

See Institute of Philosophic Studies for course descriptions.

5301–5310. Cross-listed Courses.

5315: Introduction to Literary Study.

5318. Tragedy/Comedy.

5319. Classical Epic.

5320. Arthurian Romance.

5321. Modern Irish Literature.

5322. Menippean Satire.

5323. Modern Southern Literature.

5324. Dante.

5325. Augustan Literature.

5326. Waugh and the Post-War West.

5375. Special Studies.

6313. Chaucer I: Early Works to Troilus.

6314. Chaucer II: The Canterbury Tales.

6315. Classical Rhetorical Theory.

6316. Pastoral Poetry.

6325. Special Topics in Shakespeare.

6332. Spenser.

6333. Milton.

6334. Jonson and the Tribe of Ben.

6336. Thomas More.

6337. Pope, Swift, and Their Circle.

6338. The Age of Johnson.

6354. Jane Austen.

6355. Russian Novel.

6357. Victorian Literature.

6360. Literary Criticism and Theory.

6361. Faulkner.

6362. Hawthorne and Melville.

6364. Liberty in Literature.

6369. Henry James.

6370. Conrad.
6377, 6378, 6379. Special Studies.
6395. Studies in the Novel.
6V99. Graduate Reading.
7312. The English Renaissance.
7314. Shakespeare's Tragedies.
7315. Shakespeare's Comedies.
7316. Shakespeare's Histories.
7317. Shakespeare's Sonnets and Narrative Poems.
7335. Seventeenth-Century Lyric.
7351. Directed Readings and Research.
7352. English Romanticism.
7365. Modern Poetry.
7366. Modern Fiction.
7678. Thesis Research.

Humanities

FACULTY

Director and Affiliate Assistant Professor L. Eidt; Professor B. Cowan; Participating Faculty and DIHC adjunct faculty

The Master's Program in Humanities is designed to make available the wide range of graduate courses in the humanities that are offered by the various departments of the university. The intention of the program is, first, to give students the opportunity to pursue their interests in different fields without committing themselves to earning a degree in any one field alone and, second, to encourage the careful reading of a limited number of great works of Western thought. To promote both aims, those of flexibility and careful reading, students design their own curricula, in consultation with the director, around a core of three special courses. To this core students add courses, according to their interests, either in one or two concentrations, or in one or two historical periods. The program requires 36 units of credit and leads to either a Master of Arts in Humanities or a Master of Humanities. Specifically designated courses from the Teachers' Academy at the Dallas Institute of Humanities and Culture (DIHC) may be available as part of the Humanities program.

STRUCTURE OF THE PROGRAM

The core of the program consists of a sequence of six special courses (each student must take three) that are called the World Courses and are devoted to studying certain principal works in the tradition of Western thought. The World Courses are: the Ancient World, the Medieval World, the Renaissance World, the Baroque World, the Modern World and the Recent World.

In support of the core (a minimum of nine credit hours), the remainder of the program will be oriented around either one or two "concentrations" (15-18 credit hours), or one or two "periods" (15-18 credit hours) and "related courses" (6-9 credit hours).

The concentrations are: American Studies, Classics, History, Literature, Philosophy, Politics, Psychology and Theology. The periods are: Ancient, Medieval, Renaissance, Baroque, Modern, Recent.

The related courses may be drawn from any of the above concentrations as well as from such fields as art history, drama, economics, education and foreign languages (Greek, Latin, French, German, Italian, Spanish).

ADMISSION REQUIREMENTS

Application for admission to the master's programs in Humanities includes a completed application form, two letters of reference, a statement of purpose, an intellectual autobiography, a sample of academic writing and official transcripts of previous college work. Possession of a bachelor's degree is prerequisite to matriculating but not necessarily one in the humanities. Special Students are welcome to participate after consulting with the Director.

DEGREE REQUIREMENTS

Master of Arts in Humanities

- 1) Thirty units of course work at the 5000 level or above.
- 2) Six units for a Master's thesis.
- 3) A reading knowledge of one foreign language. This requirement may be satisfied by meeting the standards set forth in the M.A. handbook.
- 4) A comprehensive, written examination on a series of questions that will be prepared in advance and determined for each student on the basis of the curriculum pursued.

Master of Humanities

- 1) Thirty-six units of course work at the 5000 level or above.
- 2) A comprehensive, written examination of the kind described in 4 above.

ADDITIONAL STIPULATIONS

- 1) Time limit: all requirements ordinarily must be met within six years of a student's initial registration in course work, excluding leaves of absence.
- 2) Transfer credits: up to nine units of graduate work done at other institutions may be accepted for transfer after a student has completed at least nine units at the university.
- 3) University undergraduates may count Humanities World courses as part of a Humanities graduate degree only if they have taken them at the 6000 level and have not counted them toward the undergraduate degree.
- 4) No more than 12 hours taken at the Dallas Institute of Humanities and Culture may count toward the degree. Students who take 12 hours at the DIHC may request that a member of the DIHC faculty be one of their thesis readers.
- 5) All DIHC transfers must take at least 18 hours of course work in the regular university program.

COURSES IN HUMANITIES

6325. The Ancient World. The thought and art of Greece and Rome from 800 B.C. to 400 A.D. Texts vary but are chosen from works ranging from those of Homer and the Greek tragedians to Vergil and the Roman historians.

6326. The Medieval World. The thought and art of the Middle Ages from 400 to 1500. May focus on a shorter span of time within this period. Authors studied can range from Augustine to Malory.

6327. The Renaissance World. The thought and art of Europe from 1400 to 1600. Readings selected from the works of Petrarch, Pico della Mirandola, Machiavelli, Erasmus, More, Luther, Montaigne and others.

6328. The Baroque World. The thought and art of the period from 1600 to 1750. Authors read typically include Shakespeare, Bacon, Donne, Descartes, Molière, Milton, Hobbes, Racine and others.

6329. The Modern World. The thought and art of Europe from 1750 to 1850. Readings of works selected from those of Locke, Newton, Pope, Swift, Hume, Voltaire, Rousseau, Kant, Goethe, Wordsworth, Hegel and others.

6330. The Recent World. The thought and art of the century and a half from 1850 to the present. Authors read may include Kierkegaard, Dostoevski, Tolstoi, Darwin, Marx, Nietzsche, Freud, Yeats, Joyce and Mann, among others.

6351. Directed Readings.

6V77, 6V78, 6V79. Special Studies. Courses offered according to student interest and faculty availability.

6V99. Graduate Reading. Registration for this non-credit course indicates that the student is involved in studies necessary for the degree. At the end of each course the student must demonstrate progress. Normally, Master's students are limited to two Reading courses. The matriculation fee required entitles the student to the use of the library and other basic services.

7678. Thesis Research. A six credit course designed for the student writing the M.A. thesis under the guidance of the thesis director. An approved topic is a prerequisite for registering for Thesis Research. A grade of "T" is assigned until the thesis has been approved.

Philosophy

FACULTY

Director and Professor Parens; Professors W. Frank, Rosemann, Sanford, Sepper and Wood; Associate Professors Lehrberger, Mirus, Simmons and Walz; Assistant Professors Engelland and C. Nielsen

The Department of Philosophy offers two graduate programs in philosophy, one leading to the Ph.D. and the other to the Master of Arts in Philosophy.

THE DOCTORAL PROGRAM WITH CONCENTRATION IN PHILOSOPHY

For a description of this interdisciplinary program see the Institute of Philosophic Studies.

THE MASTER OF ARTS IN PHILOSOPHY

The Master of Arts program is designed to prepare students for doctoral study in Philosophy or to pursue careers in non-college teaching professions. The program engages students in a serious and thorough study of the Western philosophic tradition. Although this study involves a close examination of historical authors and doctrines, students should hope above all to recover the best of the philosophic tradition by rethinking the past in light of fundamental questions, new and old.

Admission Requirements

Application for admission includes a completed application form, two letters of reference, a statement of purpose, an intellectual autobiography, a sample of academic writing, official transcripts of previous college work and GRE General Test scores that are not more than three years previous to the date of application. Possession of a bachelor's degree is prerequisite to matriculating in the program. Ordinarily candidates should have attained a bachelor's degree in the discipline. However, at least 15 credit hours of course work that covers classical metaphysics, ethics and the history of philosophy is prerequisite to graduate studies in philosophy.

Program Requirements

For the completion of the Master of Arts degree students must take eight graduate courses in Philosophy (24 credits) and must write a Master's thesis (six credits). Courses are arranged so as to cover in a given school year systematic issues dealing with the human person and with Being/God as well as with ancient, medieval, modern and recent texts. Students are required to demonstrate a critical mastery of a number of philosophic texts specified by the Department. Evidence of competency is demonstrated in a comprehensive examination. Proficiency in at least one foreign language pertinent to the field of thesis research is required.

COURSES IN PHILOSOPHY

5100. Proseminar. A ten-week seminar concerning many of the professional skills required for success as graduate students and future professors and scholars. Topics to be covered include resources for research; research and writing strategies; scholarly etiquette, norms and ethics; career planning; and professional organizations for philosophers. Required of Ph.D. and Master's students in Philosophy within the first year of study. Graded Pass/No Pass. Fall.

5301–5310. Cross-listed Courses. These numbers indicate undergraduate courses taken for graduate credit. Appropriate additional work for graduate students is assigned.

5311. Philosophy of Law. The concept of right and its different kinds; the moral law and its ground; the positive law of the state and the authority on which it is based; the *a priori* foundations of civil law; legal and moral punishment.

5321. Philosophy of History. The nature of historical knowledge and the problem of historical interpretation. Great theories of history, both classic and contemporary. Christian and pagan views.

5332. Philosophy of Technology. Since the advent of industrialization it has become clear that modern technology is not simply tools and instruments, nor merely the application of scientific principles to human practice and production in fundamental ways. This course examines the nature and scope of technology with the aim of understanding its contemporary manifestations and their causes.

5341. Asian Thought. A study of three leading traditions of Asian thought: Hinduism, Chinese thought and Buddhism. Texts selected from Hinduism may include the *Rig Veda*, the *Upanishads*, the *Bhagavad Gita*; from Chinese thought works of Confucius, Mencius, Lao-tzu; and from Buddhism selections from the Hinayana and Mahanaya traditions. The role of Asian thought in thinkers like Nietzsche and Heidegger.

5361. Scholastic Tradition. An overview of Scholastic thought with a study of selected major figures and works from the medieval to the contemporary world.

5371. Phenomenological Tradition. The origins of phenomenology and the achievement of Husserl; the ideal of returning to the "things themselves"; the great division between realist and transcendental phenomenology; the relation of phenomenology to the Western tradition of metaphysics.

5381. Senior/Graduate Elective. Offered according to the interests of professors and the needs of students. Enrollment is open to advanced undergraduate and beginning graduate students, with the approval of the chairman.

Historical Sequence

631X–636X are offered sequentially in a three-year cycle in order to give students the opportunity to acquaint themselves with the entire history of Western philosophy.

See *Institute of Philosophic Studies* for course descriptions.

631X Text Seminar. Antiquity.

632X Text Seminar. Late Antiquity and the Early Middle Ages.

633X Text Seminar. The Later Middle Ages.

634X Text Seminar. Early Modernity.

635X Text Seminar. Later Modernity.

636X Text Seminar. Postmodernity.

6V99. Graduate Reading. Registration for this non-credit course indicates that the student is involved in studies necessary for the completion of the degree. At the end of each course the student must demonstrate progress. Normally, Master's students are limited to two Reading courses. A matriculation fee is required. It entitles the student to the use of the library and other basic services.

Topical Courses

Topical courses are devoted to reflection in some of the fundamental areas of philosophical inquiry. Building on readings from the tradition of Western philosophy, they are aimed not merely at textual exegesis, but at understanding the "things themselves."

See *Institute of Philosophic Studies* for course descriptions.

7310. Epistemology.

7320. Ethics.

7330. Philosophical Anthropology.

7340. Philosophy of God.

7350. Metaphysics.

7360. The Nature of Tradition.

7377, 7378, 7379. Special Studies. Unlisted courses offered according to student interest and faculty availability. As needed.

7381. Directed Readings and Research. Special programs of inquiry, by mutual consent of student and professor with the approval of the program director.

Research Seminars

The Research Seminars are advanced courses usually restricted to doctoral students. They reflect current faculty research, both on particular thinkers and on specialized topics.

See *Institute of Philosophic Studies* for course descriptions.

8310. Plato.

8315. Aristotle.

8320. Cicero and Augustine in Dialogue.

8325. Maimonides.

8330. Descartes's Thinking.

8335. Spinoza.

8340. Hegel's *Encyclopaedia*: Logic, Nature, Spirit.

8346. Wittgenstein.

8350. Lonergan's *Insight*.

8355. Christianity and Postmodernism.

8360. The Notion of Being.

8365. Metaphysical Themes.

8370. Themes in Social and Political Philosophy.

8375. *Res extensa*.

8380. Philosophy of Imagination.

Politics

FACULTY

Director and Associate Professor Dougherty; Professor Emeritus L.P. de Alvarez; Professors Parens (Philosophy) and Wolfe; Associate Professors Culp, Miller and Upham; Assistant Professor Burns

The highest mission of the Department of Politics is to teach students to examine politics from the comprehensive perspective of political philosophy. Through its course of study, it also seeks to educate its students for leadership in public affairs. The graduate programs of the Department reflect these dual emphases. It offers a Ph.D., through the Willmoore Kendall Program in Politics of the Institute of Philosophic Studies and either a Master of Arts in Politics or a Master of Politics.

THE DOCTORAL PROGRAM WITH CONCENTRATION IN POLITICS

For a description of this interdisciplinary program see the Institute of Philosophic Studies.

THE MASTER'S PROGRAMS

The program leading to the Master's or Master of Arts in Politics is a concentrated course of study in political philosophy designed especially for students who intend to pursue careers in law, journalism, business, government, or other non-college teaching professions. It aims to develop and solidify the capacity of students for truly independent and rigorous thinking about political and moral questions.

The course of study allows students to study political philosophy free of many extraneous requirements. Most of the small and informal seminars characteristic of the program involve a close reading of the texts of the Great Tradition of discourse on political order. The program is designed to enable the students to complete its requirements in a year of full-time study.

Admission Requirements

Application for admission to the Master's programs in Politics includes a completed application, two letters of reference, a statement of purpose, an intellectual autobiography, a sample of academic writing, official transcripts of previous college work and GRE General Test scores that are not more than three years previous to the date of application. Possession of a bachelor's degree is a prerequisite.

MASTER OF ARTS IN POLITICS

- 1) Twenty-four credit hours of course work.
- 2) Six hours of Thesis.
- 3) A reading knowledge of one foreign language.
- 4) A comprehensive examination.

MASTER OF POLITICS

- 1) Thirty hours of course work, six in advanced seminars with a substantial paper in each course.

- 2) A comprehensive examination.

The course of studies for each student in the program will be planned in consultation with the director. Up to six hours of the students' work may be taken outside the Department.

COURSES IN POLITICS

When the following courses are under numbers **5301–5310** they contain a mixture of graduate and undergraduate students. Additional work for graduate students is assigned. At the **6000**-level or above, they are exclusively for graduate students. Consult the Politics and the Institute of Philosophic Studies sections for descriptions.

6311. Thucydides.

6312. Plutarch/Augustine/Machiavelli.

6321. Lincoln.

6323. Constitutional Law.

6324. Public Policy.

6325. American Foreign Policy.

6326. The Presidency.

6327. Civil Rights.

6328. Congress.

6334. Social Contract Theory.

6335. Kant/Hegel/Marx/Nietzsche.

6356. American Political Thought.

6357. U.S. Constitution.

6372. Plato's *Republic*.

6376. Aristotle's *Ethics*.

6377, 6378, 6379. Special Studies.

6381. Machiavelli.

6384. Hobbes.

6387. Locke.

6388. Rousseau.

6V99. Graduate Reading. Registration for this non-credit course indicates that the student is involved in studies necessary for the completion of the degree. At the end of each course the student must demonstrate progress. Normally, Master's students are limited to two Reading courses. A matriculation fee is required. It entitles the student to the use of the library and other basic services.

7351. Directed Readings and Research.

7370. Herodotus.

7371. Xenophon.

7374. Dialogues of Plato. To be selected by instructor.

7376. Aristotle's Politics.

7380. Medieval Political Philosophy.

7388. American Regime.

7394. Nietzsche.

7678. Thesis Research. A six-credit course designed for the student writing the M.A. thesis under the guidance of an appointed thesis director. An approved topic is a prerequisite for registering for Thesis Research. A grade of "T" is assigned, which remains until the thesis has been approved.

8385. Spinoza.

8396. Shakespeare Seminar.

Psychology

FACULTY

Director and Associate Professor Garza; Professors Churchill and Kugelman; Associate Professor Fisher-Smith; Assistant Professors Freeman and Swales

The graduate program in psychology is devoted to the recovery of some of the great traditions in 20th Century psychology, while preparing students for making contributions to psychology in the 21st Century. Offering an ongoing array of foundational courses in phenomenology, psychodiagnostics, psychotherapy, lifespan development and qualitative research, the Master's program in Psychology provides a range of special topics classes, including spirituality, sexuality, health psychology, multicultural studies, primatology and film. The distinguishing character of the program is its existential-phenomenological orientation, which draws upon the traditions of depth psychology, hermeneutics and humanistic psychology, as well as Continental thinking and feminism.

The "great books" of the aforementioned fields provide the backbone for the program; that is, primary sources such as Husserl, Heidegger, Sartre, Beauvoir, Merleau-Ponty and Levinas from the phenomenological tradition; Freud, Jung, Adler, Horney, Sullivan, Klein and Schafer from the psychodynamic tradition; Rogers, Allport, Murray, Maslow, May and Bugental from the tradition of American humanistic psychology; Binswanger, Boss, Buytendijk, Minkowski, van den Berg, Laing and Szasz from the European tradition of existential psychiatry; and figures like Giorgi, Colaizzi, von Eckartsberg and others from the Duquesne "school" of phenomenological research.

Bolstering its position as a program that represents and supports qualitative research as well as a broadly defined humanistic tradition in academic psychology, the department contributes editorially to the publication of the APA division journal *The Humanistic Psychologist*.

DEGREES AND REQUIREMENTS

Admission as a graduate student in psychology is contingent upon an academic foundation in the discipline of psychology. This foundation can be demonstrated by the successful completion (a grade of B or better) of at least a three credit course in each, General Psychology and Statistics/Experimental Design, or other course offerings as determined by the program director.

All master's degrees in psychology require a minimum of 30 credits. There are three degree options: the MPsy with or without clinical concentration and the MA. While compliance with the State Licensing Board's requirements is ultimately each student's responsibility, students seeking to qualify for LPC certification in Texas should pursue the 48 credit MPsy with Clinical Concentration.

The degree options and credit requirements for each are presented in the charts below.

Specific course requirements for the three degree plans are as follows:

30 credit MPsy

Grad Psychology Core - 12 credits

6311. Phenomenological Foundations of Psychology.

6333. Foundations of Qualitative Research.

5322. Lifespan Development.

7331. Historical Foundations of Depth Psychology.

Electives - 18 credits

(PSY offerings 5311 and above)

30 credits total

48 credit MPsy (Clinical Concentration)

Grad Psychology Core - 12 credits

6311. Phenomenological Foundations of Psychology.

6333. Foundations of Qualitative Research. [LPC requirement *research*]

5322. Lifespan Development. [LPC requirement *normal development*]

7331. Historical Foundations of Depth Psychology.

Pre-Practicum - 12 credits

5323. Ethics in Psychology. [LPC requirement *professional orientation*]

6321. Introduction to Counseling Techniques. [LPC requirement *individual counseling*]

6355. Psychopathology. [LPC requirement *abnormal human behavior*]

6324. Theories of Counseling and Psychotherapy. [LPC requirement *counseling theories*]

Additional LPC Required Areas - 12 credits

appraisal or assessment techniques

Cognitive Assessment (7321), Psychodynamic Assessment (7322), or Rorschach (7366)

group counseling methods or techniques

Principles of Group Counseling (6325);

lifestyle and career development

Lifestyle and Career Development (7340)

social, cultural and family issues

Social Psychology (6338), OR Cultural and Multicultural Psychology (5337)

Electives - 6 credits

(PSY offerings 5311 and above)

Practicum - 6 credits

300 supervised hours (1 credit per 50 documented supervised hours, 150 training, 150 direct service)

48 credits total

48 credit MA Psychology

Grad Psychology Core - 12 credits

6311. Phenomenological Foundations of Psychology.

6333. Foundations of Qualitative Research.

5322. Lifespan Development.

7331. Historical Foundations of Depth Psychology.

Electives - 30 credits

(PSY offerings 5311 and above)

Thesis - 6 credits

(Plus language requirement and pre-requisites)

48 credits total

CLINICAL CONCENTRATION

Students may elect to add courses in the area of clinical psychology to the Master of Psychology degree program (as illustrated above) so as to have a Clinical Concen-

tration, drawing from such courses as health psychology, personality theory, clinical psychology, clinical assessment, depth psychology, psychodiagnostics, counseling and psychotherapy. Practicum placements at local mental health services are available.

COMPREHENSIVE EXAMS

The Comprehensive Examination in the Psychology Graduate Program is “comprehensive” in the sense of transcending the limits of individual courses while requiring an integration or synthesis on the part of the student. Students are asked to demonstrate a command of material that would not have been expected at an earlier time in the program. The comprehensive exam thus requires a mastery of both methodological issues and content areas covered in the course work, as evidenced by writing that is compelling, clear and accurate. The exam questions, which are written by the faculty, are tailored to the individual student. Students are invited to suggest thematic areas around which their comps will be constructed, with the understanding that these areas will represent the breadth of their Masters level course work, including the required foundations track classes as well as some of the electives.

Typically, the comprehensive examination is administered after the completion of course work. Students are required to report their intention to take the comprehensive exam to the program director no later than the beginning of the semester in which they wish to take the exam. M.A. students must complete both the comprehensive examination and the language requirement before submitting the proposal for the thesis.

COURSES IN PSYCHOLOGY

5301–5310. Cross-listed Courses. Undergraduate courses taken for graduate credit. Additional work for graduate students is assigned. Note: These classes typically do not count toward the masters degree in Psychology but can be taken either as pre-requisites for further graduate study or for credit in the Humanities graduate program. Permission of the Program Director is required for graduate students in Psychology; permission of the Graduate Dean is required for students in Humanities.

5311. Humanistic Theories of Personality. Introduction to the writings of pioneers in humanistic psychology such as Carl Rogers, Abraham Maslow, Rollo May, Gordon Allport, George Kelly, Fritz Perls, Ken Wilber and other kindred thinkers like Alfred Adler, Karen Horney, Erich Fromm and Viktor Frankl. Primary sources such as these, who have developed implications for counseling and psychotherapy from their examination of the nature of the person “as a whole,” are the foundation for the course.

5322. Lifespan Development. This course will critically examine contemporary understandings of psychological development as physical, cognitive, and social development and endeavor to place human development within the context of human possibility. It seeks to provide the student with a foundation in primary and secondary source material that presents human development in terms of the questions: what is development? What about us ‘develops’? Is this development continuous or discontinuous? What about us remains the same throughout life and what changes? What is the meaning of our deaths in the context of our development? It seeks to strike a balance between in-depth treatment of various “stages” and a broad-based lifespan approach.

5323. Ethics in Psychology.

5337. Cultural Psychology and Multicultural Studies. Study of psychological phenomena as embodied in institutions, social practices and artifacts; a consideration

of hermeneutics and social constructionism as approaches to the social world, with emphasis on the embodiment of human existence in both the perceptual appearance of the world and in shaping the world through human action. The multiple universes defined by gender, race, class, nationality and social geography are brought into dialogue with contemporary professional practice.

5339. Psychology and Religion. A study of various topics, such as the relationships between modern psychology and religion; the place of religious life in psychological health and illness; psychology as secularized religion.

5345. Motivation and Emotion. The dynamic and purposive character of action. Dynamic theories of personality; conceptions from philosophical tradition, e.g., faculty psychology, studies of the will, the passions.

5V57. Supervised Practicum (Pre-practicum, Practicum I, Practicum II). In a meaningful structured placement, students are involved in an off-campus setting in which psychology is practiced or applied. Students should follow guidelines for Internships. Prerequisite: approval by department in consultation with agency. (Pass/No-Pass)

6122. APA Style.

6123. Professional Ethics.

6311. Phenomenological Foundations of Psychology. An introduction to seminal texts in the field of phenomenological psychology, including both philosophical and psychological literature. Typically one author from the philosophical category is selected for close study (Husserl, Sartre, Merleau-Ponty, or Levinas) and supplementary readings in psychological applications of phenomenology are then woven into the syllabus in any particular semester. A course subtitle indicates on the transcript the particular focus of the class. (Repeatable)

6321. Introduction to Counseling Techniques. An introduction to the core therapeutic techniques and skills which are the foundations of counseling. These include intentional therapeutic interviewing skills, clinical observation, reflection, empathic listening, and empathic confrontation. Completion of this course is required for the pre-practicum sequence.

6322. Seminar: Issues in Clinical Psychology. Primary source readings in Freud, Jaspers, Rorschach, Murray, Allport, Rogers, Sullivan, Leary as well as the DSM-IV Guidebook provide the basis for this seminar. Descriptive versus explanatory approaches to psychopathology are considered along with the current trend towards evidence-based practice. Psychodynamic and humanistic traditions are distinguished from their psychometric counterpart. The standard psychiatric nomenclature of the DSM-IV is presented along with its implications for the professional treatment of psychological “illness.” Toward the end of the semester students examine critiques of existing systems of diagnostic classification and the psychopharmaceutical treatment of mental illness (Szasz, Laing, Keen).

6324. Theories of Counseling. Major theoretical approaches to the practice of counseling and psychotherapy are examined. The course places special emphasis on the key assumptions of various applied theories, the role of clinical assessment, the stages of therapy, the role of the therapeutic relationship and the goals and strategies to effect therapeutic change including the application of evidence based practice to psychotherapy.

6325. Principles of Group Counseling. This course provides an overview of the basic theory and practice of group psychotherapy. As such, students will explore topics

including group development, group dynamics, group leadership, and mechanisms of therapeutic change. Furthermore, students will learn basic and advanced group psychotherapy methods and skills. Several different approaches to conducting group psychotherapy will be reviewed, with special emphases on existential, humanistic, and psychodynamic approaches to group psychotherapy. Students will participate in an experiential psychotherapy group, providing them with insight into group process as both a facilitator and a participant.

6330. Principles of Therapeutic Practice. Introduction to the history and current scope of professional practice in clinical psychology, with a focus on clinical evaluation and evidence-based treatment.

6331. History and Systems in Psychology. Seminar that will consider fundamental texts of the pre-modern and modern periods, or that will trace the history of significant ideas in the history of Western thinking pertaining to the "soul" or psychological life. The approach of this course informed in part by recent trends in historiography.

6333. Foundations of Qualitative Research. A conceptual introduction to the philosophic foundations, appropriate domains, strengths and limitations of qualitative research as distinct from quantitative research. Introduction to multiple methodologies within qualitative research including phenomenology and others such as grounded theory, narrative analysis discursive analysis among others. Students will read primary sources in qualitative research theory and practice and learn to develop, propose, evaluate and carry out and effectively present qualitative research.

6335. Mixed Methods Research. Casting a critical eye to the notion of approach with regard to quantitative and qualitative research, this course takes up an exploration of the boundaries and domains of qualitative and quantitative research methods. Special attention is paid to the role of approach in the assessment of the validity of both quantitative and qualitative research. By defining the domains, assumptions, guiding questions and knowledge claims of quantitative and qualitative research, students learn to propose, design and carry out mixed methods research that embraces the strengths and acknowledges the limitations of each approach and effectively present its results.

6336. Advanced Quantitative Research. To further enhance students' familiarity with quantitative research methodology and to facilitate higher levels of integration between quantitative and qualitative research, this course exposes students to advanced statistical designs including logistic regression, mediation and moderation effects, multivariate and factorial models and structural equation modeling. Students will become adept at reviewing literature using these advanced statistical techniques and in designing and carrying out research using these models.

6338. Social Psychology. Study of the individual's experience of the social world, including such topics as person perception, social cognition, attribution, conformity, obedience, interpersonal attraction, group psychology and other themes in contemporary social psychology (including social constructionism). Emphasis on the embodiment of existence in both the perceptual appearance of the world and in shaping of the world through human action.

6351. Directed Readings. A tutorial course arranged between the professor and the student. Prerequisite: written permission of the Program Director and the Graduate Dean.

6354. Health Psychology. Study of the relationships between health and illness, on the one hand and behavior, attitudes, ways of life, on the other. An exploration of the psychological concomitants of health and disease, as well as conventional and

non-conventional forms of treatment for disease. The phenomenology of embodiment and of disease as a mode of existence is integral to the course. Other topics include the examination of the social and political meanings of our views of health and illness. The social construction of health and illness concepts, the limits of medicine and of medicalization, the arts of living, suffering and dying are discussed.

6355 Psychopathology. A critical analysis of the classificatory systems of mental illness, including the current Diagnostic and Statistical Manual of Mental Disorders, is conducted as well as an examination of the philosophical roots of the construct abnormality. Current empirical evidence and hypotheses regarding etiology of mental illness and the treatment of psychopathological behavior are reviewed.

6V77, 6V78, 6V79. Special Studies. This course, conducted in a regular class setting, provides an opportunity to examine a special topic, problem, or work within the discipline. Content is determined by the Program Director in consultation with the faculty.

6V99. Graduate Reading. Registration for this non-credit course indicates that the student is involved in studies necessary for the completion of the degree. At the end of each Reading course the student must demonstrate progress. Master's students are limited to two Reading courses. A matriculation fee is required. It entitles the student to the use of the library and other basic services.

7179. Professional Writing.

7311. Existential Approaches to Psychopathology. A Heideggerian foundation of the understanding of psychopathology, divided between careful study of Heidegger's early ontology and examination of some of the literature of phenomenological psychiatry that is based upon his thinking. Supplemental readings drawn from Medard Boss, Ludwig Binswanger, Viktor Frankl, R.D. Laing, Jan van den Berg and Rollo May among others.

7312. Hermeneutic Foundations of Psychological Research. Introduction to seminal texts in hermeneutics (Dilthey, Heidegger, Gadamer, Palmer) and in psychological applications of hermeneutic principles.

7321. Cognitive Assessment. Introduction to test construction and design as well as to administration and scoring of various tools of cognitive assessment (including intelligence tests, the Bender Gestalt Test). At the discretion of the instructor, students may also be introduced to the MMPI, 16PF and other psychometric inventories in personality assessment. Prerequisite 6322 or permission of the instructor.

7322. Psychodynamic Assessment. This course introduces the student to several psychodynamic approaches to assessment. In contrast to the categorical nosological and atheoretical approach of the Diagnostic and Statistical Manual of Mental Disorders – Fifth Edition, psychodynamic approaches to diagnosis and assessment offer grounding in theory. Correspondingly, through instruction and practice regarding assessment methods, students will learn how a psychodynamic assessment points to certain directions for the treatment.

7331. Historical Foundations of Depth Psychology. The psychodynamic tradition in Psychology is examined by careful reading of original sources, including Freud's case histories, lectures and theoretical works (including his "Project" and "Metapsychology Papers"), along with the writings of those who further developed and commented upon his work, such as Karen Horney, Harry Stack Sullivan, Erich Fromm, Erik Erikson and Bruno Bettelheim. Primary sources in psychoanalysis are supplemented with texts such as Henri Ellenberger's *The Discovery of the Unconscious* or more

sophisticated philosophical treatments of Freud, such as those of Politzer, Merleau-Ponty, Ricoeur, or Lacan.

7340. Lifestyle and Career Development. Career development theories; current career trends, concerns, and programs/interventions for diverse client populations; career counseling strategies, tools, and resources; facilitation of client awareness, choice, and action with respect to career-related issues; integration of career counseling with mental health and addictions treatment. Emphasis is on developing a broad view of career as lifestyle, the mutual impact of career and cultures, and the practical application of theory and information in a professional counseling context.

7355. Embodiment and Sexuality. The Cartesian framework of Modern thought is presented through the writings of Sigmund Freud, who considered himself a "pioneer on the frontier between the psychic and the somatic." Sartre's dialectical phenomenology is then utilized to provide an alternative to the dualism of mind and body inherent in Western psychological traditions. Merleau-Ponty's "ontology of the flesh," informed by the later Husserl, provides a foundation for a reformulation of the problem of the body in Modern thought. Supplementary readings are drawn from Lacan, Beauvoir, Lingis, as well as feminist and postfeminist writers.

7366. Rorschach Administration and Interpretation. This course centers on the Rorschach, but also familiarizes the student with Murray's Thematic Apperception Test as well as with techniques of historical interest, such as the Szondi Test. Exner's "comprehensive system" provides the backbone for clinical training with the Rorschach. Students are required to read original texts from Hermann Rorschach as well as from the later developers of the Rorschach, including Klopfer, Piotrowski, Beck, Hertz, Schafer, Rappaport, Weiner and Exner. Schafer's psychoanalytic application is contrasted with Exner's more recent adaptation of the Rorschach to the interests of cognitive-behavioral assessment. Questions of reliability and validity of projective techniques are considered throughout the course.

7678. Thesis Research. A six-credit course designed for the student writing the M.A. thesis under the guidance of an appointed thesis director. An approved topic is a prerequisite for registering for Thesis Research. A grade of "T" is assigned, which remains until the thesis has been approved.

Theology

FACULTY

Director and Associate Professor Goodwin; Professor Lowery; Associate Professors Malloy, Norris and Rombs; Assistant Professors Glicksman and Lenartowick; Affiliate Assistant Professors Alexander and Esposito; Research Scholar and Adjunct Professor Farkasfalvy; Adjunct Professor Kereszty; Adjunct Professor in Residence Eynikel

Theology is "faith in search of understanding," a faithful listening to and a systematic, methodical articulation of the message of the Word of God revealed by deeds and words first in Israel, culminating in Jesus Christ, himself both the mediator and sum total of Revelation and transmitted in the living tradition of the Church. The department's mission is the recovery and renewal of the Catholic theological tradition in harmony with the Magisterium and in dialogue with contemporary thought.

The Department of Theology offers two graduate degrees: a Master of Arts in Theology (M.A.) for students preparing for a career in college teaching and research and a Master in Theology (M.Th.).

ADMISSION REQUIREMENTS

Application for admission includes a completed application form, two letters of reference, a statement of purpose, an intellectual autobiography and official transcripts of previous college work. An applicant must submit both GRE General Test scores taken not more than three years previous to the date of application and a sample of academic writing. Possession of a bachelor's degree is a prerequisite.

Further requirements include:

- 1) Some background in philosophy in the case of M.Th. applicants and a minimum of nine undergraduate credits in philosophy for the M.A. applicants. These requirements may be waived if applicants demonstrate competency in philosophy.
- 2) A sufficiently strong background in theology and preferably an undergraduate philosophy major. Applicants' backgrounds will be individually evaluated and in case of deficiency, students will be required to acquire the necessary theological foundations by taking appropriate courses and/or by directed individual study.

MASTER OF ARTS IN THEOLOGY

- 1) Thirty graduate credits in Theology including six credits for the Thesis Seminar and Master's thesis. A maximum of twelve credits may be earned in 5000 level courses. Nine credits may be transferred, with the recommendation of the Chair, from a graduate institution towards the graduate credit.
- 2) A reading knowledge of a classical or a modern language.
- 3) Written and oral comprehensive examinations covering all areas of Theology.

MASTER OF THEOLOGY

- 1) Thirty graduate credits. A maximum of twelve credits may be earned in 5000 level courses. Nine credits may be transferred, with the recommendation of the Chair, from a graduate institution toward the graduate credits.

- 2) Written and oral comprehensive examinations primarily covering course work.

Notes on Requirements

- 1) Final evaluation of work completed at other institutions is the responsibility of the Graduate Dean in consultation with the Chair.
- 2) The Master's program must be composed of four areas of theological knowledge, Scripture, History of Christian Doctrine, Systematic and Moral Theology.
- 3) M.A. students must choose a language that offers substantial scholarly literature relevant to the subject matter of the thesis. See the *M.A. Handbook*.
- 4) The Master's Thesis should be a scholarly paper of substantial length (50-100 pages) and of at least relative originality. See the *M.A. Handbook*.
- 5) The written and oral comprehensive examinations, required for both the M.A. and M.Th., are usually taken upon completion of the required course work. See "Directions for Comprehensive Examinations," Department of Theology.

BIBLICAL HEBREW

In addition to Latin, Greek, French, German, Spanish and Italian, the university may offer Biblical Hebrew, if there is a quorum of students who have particular interest in the study of Scripture. See Classics listing for descriptions. As with the other languages, the language requirement may be met by completing the 3000 level course with a B or better or by passing the appropriate examination.

COURSES IN THEOLOGY

5301–5310. Cross-listed Courses. These numbers indicate undergraduate courses taken for graduate credit. Additional work for graduate students is assigned.

5311. Church History I. From the Apostolic community to the fourteenth century. Offered as needed.

5312. Church History II. From the fourteenth century to the present. Offered as needed.

5315. Patristic and Byzantine Theology. History of Christian doctrines—dogma and theology—from the Apostolic times to the twelfth century, including Byzantine theology. Offered in a three-year cycle.

5316. Medieval and Modern Theology. History of Christian doctrines—dogma and theology—from the beginnings of Scholasticism to the present, including the history of Protestant theology. Offered in a three-year cycle.

5317. Recent and Contemporary Theology. Introduction to some of the main trends, works and issues of the nineteenth and especially twentieth century Christian theology (Catholic and Protestant). Offered in a three-year cycle.

5319. Philosophical Resources for Theology. Study of the philosophical resources available to and developed by Christian theology from both an historical and a systematic point of view. Offered regularly.

5333. Sources and Methods. Introductory notion of theology. Revelation, its transmission in Tradition and Scripture and its authentic interpretation by the Magisterium. Nature and method of theology as *intellectus fidei*. Regularly required for the Master's. Offered every two years.

5334. Apologetics. Also called "Fundamental" Theology, this course aims at a deeper (critical and systematic) understanding of the "why" of Christian Catholic faith, i.e. of the foundations for the credibility of Christianity. Offered in a three-year cycle.

6321. Pentateuch. History of the formation of the first five books of the Hebrew Bible. Their literary genres and religious messages in the context of both ancient Near East literature and Yahweh's religious community. Methods applied and issues raised in their study. Exegesis of selected books and chapters. Three-year Old Testament cycle.

6322. Old Testament Prophets. History of the prophetic movement in ancient Israel. Literary forms and message in prophetic writings. Methods applied and issues raised. The messianic expectation in ancient Israel. Exegesis of selected prophetic books and chapters. Three-year Old Testament cycle.

6323. Wisdom and Psalms. Introduction to Wisdom Literature and Psalms. Literary Forms and contents. Purpose and expectations of Wisdom teaching and role of the Psalms in the religious community. Methods applied and questions raised. Exegesis of selected books and psalms. Three-year Old Testament cycle.

6324. Synoptic Gospels. Formation of synoptic material and the synoptic problem. Jesus of history and the apostolic proclamation of the gospel. The fulfillment of expectations. Structure and message of each gospel. Anti-Judaism and the gospels. Exegesis of selected chapters. Three-year New Testament cycle.

6325. Johannine Literature. Formation of the Fourth Gospel and history of the Johannine community. Distinctive literary and theological features of the Fourth Gospel in comparison with the synoptics. Occasion and message of the Johannine Letters. Exegesis of selected chapters of Johannine literature. Three-year New Testament cycle.

6326. Paul and Acts. History of early Christian community. Paul's background and missionary work. Historical sources for Paul's biography. Introduction to his letters. Exegesis of selected letters and chapters. Offered in a three-year New Testament cycle.

6327. Apocalyptic Literature. General introduction to Jewish and Christian apocalyptic writing. Origin and motivation of the apocalyptic movement. Apocalyptic literary genre and its message for today's readers. Values and limitations. Exegesis of selected passages of both canonical and non-canonical apocalyptic writings, such as the books of 1 Enoch, Daniel, Revelation and 2 Esdras. As needed.

6330. Atheism and Theism. Examines the problem of God and the question of contemporary belief. Philosophical and cultural challenges to the Christian idea of God are addressed through a study of recent systematic theological thought, especially on the Trinity and the human person.

6332. Triune God. A systematic exploration of the doctrine of the immanent and economic Triune God, rooted in patristic tradition as well as in Scripture. It will examine the essential dogmatic components of the Trinity and the medieval synthesis, as well as ecumenical issues such as the filioque. Finally, it will explore key texts from prominent 20th century thinkers in search of responses to pressing questions about the soteriological significance of the doctrine.

6333. Christology and Soteriology. Jesus Christ in the New Testament: the problem of the historical Jesus, the evolution of the kerygma of the Apostolic Church, the Christology of Paul and John. The Old Testament as prophecy of Christ. Development of the Christological dogma in the Patristic Age. Systematic formulation of the

ontological, psychological and existential aspects of the mystery of the Incarnation. Soteriology: historical survey and synthesis. Samples of Protestant Christologies. Offered in a three-year cycle.

6334. Ecclesiology. Historical survey of ecclesiology with special emphasis on the ecclesiology of Vatican II. Systematic ecclesiology: the Church as People of God and Body of Christ; the hierarchical structure of the Church; the role of laymen in the Church. The ecclesial reality of non-Catholic Churches and communities. Salvation and Church. The Church and the World. Offered in a three-year cycle.

6335. Anthropology and Eschatology. The origin of the universe and the origin of man; man's nature and supernatural vocation; original sin; survey of the development of the theology of grace; the life of grace as our participation in the life of the Trinity. The eschatological fulfillment of man's vocation. Offered in a three-year cycle.

6336. Sacramental Theology I. The sacraments in general— a study of the ontic nature of the sacramental order, its origin in nature, its transformation in the sacred history of Israel and its ultimate transfiguration in the Christ event and in the life of the Church. Sacraments in the churches separated from Rome. The Sacraments of Initiation: Baptism, Confirmation, Eucharist. Offered in a three-year cycle.

6337. Sacramental Theology II. The Sacrament of Reconciliation. Anointing of the Sick. The Sacrament of Orders. The Sacrament of Marriage. Offered in a three-year cycle.

6341. Fundamental Moral Theology. An examination of the central themes in the Catholic moral tradition: conscience, sin and fundamental option theory, the nature of the moral act, natural law, the relation of Scripture and ethics and the question of a distinctively Christian ethics. Offered every two years.

6342. Christian Virtues. Virtue in general, the theological virtues, the moral virtues, examined in light of the relationship between nature and grace; the relationship between a virtue-centered ethics and an act-centered ethics. Offered every three years.

6343. Catholic Social Thought. The social encyclicals, from *Rerum Novarum* (1891) to *Centesimus Annus* (1991). The role of the laity in the temporal order, the communal nature of man, just-war theory, liberation theology, the death penalty, the relationship between the principles of the American founding and Catholicism and the relationship between Catholicism and various economic systems.

6344. The Marital Covenant. The Catholic or sacramental understanding of maleness and femaleness as ordered to the covenant between Christ and the Church. The distinction between natural and sacramental marriage, the indissolubility of the marital bond, divorce and annulment and the sacramentality of the body as it informs such issues as contraception and the new birth technologies.

6345. Bioethical Issues. The contribution of Catholic ethics to such contemporary issues as abortion, newborns with birth defects, euthanasia, new reproductive technologies, contraceptive technology and genetic engineering. As needed.

6346. Spiritual Theology. Sanctification and transformation in Christ; ascetical and mystical theology; biblical foundations of the spiritual life; grace, the virtues, the gifts of the Spirit; meditation and contemplation, active and passive purification; history of spirituality. As needed.

6351. Directed Reading. A tutorial course arranged between the professor and the student. Prerequisite: Written permission of the Program Director and the Graduate Dean.

6363, 6364. Judaism 1 & 2. An introduction to the study of Jewish history, thought and literature with emphasis on Jewish theological tradition. Readings include ancient, medieval and modern writings such as the Dead Sea Scrolls, Philo, Maimonides, Rashi, Spinoza and Buber. Also, some discussion of recent Catholic pronouncements on the relation between the Church and Israel.

6V77, 6V78, 6V79. Special Studies. An opportunity to examine a special topic, problem, or work within the discipline. Content is determined by the Chair of the department in consultation with the faculty.

6V99. Graduate Reading. Registration for this non-credit course indicates that the student is involved in studies necessary for the completion of the degree. At the end of each course the student must demonstrate progress. Normally, Master's students are limited to two Reading courses. A matriculation fee is required. It entitles the student to the use of the library and other basic services.

7678. Thesis Research. A six-credit course designed for the student writing the M.A. thesis under the guidance of an appointed thesis director. An approved topic is a prerequisite for registering for Thesis Research. A grade of "T" is assigned for this course, which remains until the thesis has been approved.



School of Ministry

FACULTY

Dean and Associate Professor Whapham; Director of Graduate Programs and Affiliate Assistant Professor Luby; Associate Professor Jewell; Director of Continuing Education Programs and Affiliate Instructor Septien; Assistant Professor Raiche; Affiliate Assistant Professor Ramirez; Freeman Professor of Sacred Scripture Giuliano; Peterson Professor of Applied Ministry McGill; Affiliate Instructor of Hispanic Ministry Cruz

HISTORY AND MISSION

Begun in 1986, the School of Ministry currently offers graduate degree programs in Theological Studies, Pastoral Ministry, and Catechetical Ministry as well as graduate certificates. The School provides a program of formation that prepares graduates to engage in the Church's life and mission in a manner which is full, conscious, active and effective. This formation is theological, pastoral and spiritual in its orientation. The School of Ministry sponsors continuing education programs, including a Biblical School, taught in parishes throughout the Metroplex and online. The School of Ministry also offers courses that fulfill the academic requirements of Deacon Formation in a variety of dioceses. Biblical School and Deacon Formation courses are listed under the General Studies section of the Bulletin.

In March, 2011, the university's Board of Trustees unanimously approved the establishment of an undergraduate major in Pastoral Ministry to be offered by the School of Ministry. Information on that program can be found in the undergraduate section of the Bulletin.

By the conclusion of their studies in the various programs of the School of Ministry, graduates have received the necessary education and formation that will equip them to serve the Church more effectively in a variety of capacities—as catechists, teachers, pastoral leaders, lay ecclesial ministers and deacons.

GRADUATE PROGRAMS ADMISSION AND ENROLLMENT

Regular Admission

A bachelor's degree from a regionally accredited college or university with a cumulative grade point average of 2.75 or higher (4.0 scale) is required in order to pursue a Master's degree or a Graduate Certificate at the SOM. Every student must demonstrate an aptitude for pastoral studies in at least one of three ways: successful undergraduate course work in the liberal arts, theology, or religious studies; significant ministerial experience; or completion of a comprehensive and rigorous diocesan program of formation.

Students who have deficiencies in their preparation may be admitted conditionally, see Conditional Admission section below. In addition, applicants may be asked to provide samples of academic writing and to take part in a personal interview. The application will then be reviewed and assessed. As a part of the application process, up to nine graduate credits with a grade of "B" or better can be approved for transfer from similar programs at regionally accredited institutions.

Admission as a Special Student

Special students are those who wish to enroll in graduate level courses for university credit, but are not presently seeking a degree. They must have completed an undergraduate degree from a regionally accredited college or university and should be over 21 years of age. Applicants may be asked to participate in a personal interview before admission decisions are made. Contact the School of Ministry for more details and for application materials.

If at any time special students wish to become candidates for a degree, they must submit the application and all accompanying documents for regular admission into a degree program. Only nine credits earned as a special student may be applied toward the degree. Special students are not eligible for University of Dallas financial aid.

Auditing Courses

Students with a bachelor's degree may be allowed to audit university courses with prior written permission of the instructor and the Dean. No credit is awarded. If at a later time university credit is desired, the class must be repeated as a regular course at the regular tuition rate. Audit courses are 100% refundable from the 1st day of classes to the last day of add/drop period. After the close of the add/drop period there is no refund on tuition and fees. Contact the SOM for more information.

Conditional Admission

Students who have deficiencies in their undergraduate preparation or other circumstances which may raise questions about their suitability for admission may be admitted conditionally, but they must present substantial evidence of capacity to perform at the graduate level. Students admitted conditionally are not eligible for University of Dallas scholarships or grants for courses taken while under conditional status.

Admission as an International Student

An official copy of diploma/graduation certificate for degrees earned abroad is required of international applicants. Students bear the cost of having foreign language transcripts evaluated and translated.

Unless proficiency is otherwise demonstrated, international applicants whose native language is not English are required to take either the IELTS – International English Language Testing System <http://www.ielts.org/>, with a score of 6.5 or the TOEFL – Test of English as a Foreign Language <http://www.ets.org/toefl> with a score of 80. These tests are given in the students' home countries and are normally the only acceptable certification of language ability. Unless a test has been taken at least three months before the proposed date of enrollment, students cannot be sure of having their application processed in time. Contact the School of Ministry for more details. International students should be aware that the university has no special funds for them. Federal loan funds are restricted to U.S. citizens.

FEES, EXPENSES AND FINANCIAL POLICIES

For general information on university fees, expenses, and financial policies see the Fees and Expenses section.

FINANCIAL AID

All applicants for financial aid, including loans, scholarships, graduate assistantships, and grants, are required to submit the report from the Free Application for Federal Student Aid (FAFSA) annually. Information about the FAFSA can be obtained from the Office of Financial Aid <http://www.udallas.edu/aboutus/offices/finaid/grad> or directly from the FAFSA website <http://www.fafsa.ed.gov/>.

"Financial aid" refers to any monetary support awarded through the university to students for the pursuit of graduate education in the School of Ministry. "Scholarships" are financial awards given to students by the university based on financial need and in recognition of exceptional academic promise, demonstrated by a record of outstanding achievement in previous academic work. One may also request a review of one's scholarship status, as need dictates. Students must submit a formal request for scholarship renewal annually.

"Graduate Assistantships" provide financial aid through a position available to a student enrolled full-time in a graduate program offered by the School of Ministry. This assistantship is offered annually and will provide tuition remission for up to nineteen credits annually, a small stipend, and experience working within the School of Ministry. Contact the dean's office for details.

Other Financial Aid

In addition to university aid, students may apply for low interest student loans. To do so, in addition to completing the Free Application for Federal Student Aid (FAFSA), a student must complete the University Graduate Financial Aid Form (found on the UD Financial Aid webpage). The university will determine students' loan eligibility based on the information provided on these two applications. Information about loan eligibility is available from the Financial Aid Office.

After the financial aid application process has been completed, the Financial Aid Office will send admitted students an award letter, detailing the loans for which they are eligible. Fall applications should be completed by August 1, spring applications by December 1 and summer applications by April 1.

Satisfactory Academic Progress for Financial Aid

Students must be making satisfactory academic progress to be eligible for any federal or state financial aid. The requirements follow:

- 1) A cumulative pace towards graduation of at least 66% (.66). Pace will be evaluated by dividing all earned hours by all attempted hours. Transfer hours will be used in this calculation. Withdrawal from classes can affect a student's pace and will be calculated as attempted credits.
- 2) Complete all work within the time limit set by the program.
- 3) An Incomplete or a Temporary grade does not count as an earned credit and will affect eligibility until credit is earned. Satisfactory Academic Progress (SAP) cannot be reviewed until a grade has been posted for all classes completed. Once a grade has been posted to replace an incomplete grade, a student should contact the Office of Financial Aid to have his or her SAP reviewed. A student is not eligible for financial aid until SAP status has been determined.
- 4) Cumulative GPA and pace are reviewed at the end of each term (fall, spring and summer).
- 5) If the student is not making Satisfactory Academic Progress, he or she will be notified of a Financial Aid Warning for one semester. During the warning semester, the student must have a cumulative pace of at least 66% and complete the semester with a cumulative GPA of 3.0 or higher. If these requirements are not met at the end of the semester, the student will lose his or her financial aid for the next semester (this is known as a Financial Aid Suspension). A student can regain his or her financial aid if SAP (66% pace and a 3.0 cumulative GPA) is met at the end of a subsequent semester.
- 6) A student who does not meet Satisfactory Academic Progress at the end of the Financial Aid Warning period is placed on Financial Aid Suspension but can make a formal written appeal to the Director of Financial Aid for the reinstatement of Financial Aid for one semester. An appeal can be made in the event of the death of a student's relative, injury or illness of the student, or other special circumstances. If an appeal is granted, a student will be put on Financial Aid Probation and will receive financial aid for one additional semester. A student on Financial Aid Probation must reach 66% pace and a 3.0 cumulative GPA by the end of the probationary semester or meet other academic standards set by the Director of Financial Aid (called an Academic Plan) in order to have his or her financial aid reinstated. A student on suspension can regain eligibility for aid upon meeting all requirements lists above. For information about withdrawing and Return of Title IV funds please refer to the information in Fees and Expenses section.

Additional Applications

Student loan applications and promissory notes must be completed. The university participates in the following programs: Federal Direct Unsubsidized Loans and Federal Direct Graduate Plus Loan. Information is available online and from the Financial Aid Office.

Outside Support

Financial support for graduate study may be available from groups outside the regular channels of university financial aid. Students are encouraged to research and pursue such additional sources of support.

Veterans

The university is approved for the education of veterans under all applicable public laws relating to veterans' training. These laws provide for educational funding for veterans. They also require strict reporting by the university on enrollment and progress toward the degree. Veterans who do not comply with the academic standards of the university as outlined under Academic Policies and Procedures in this bulletin will not be certified for benefits. Briefly, these standards require that academic warnings be issued when the semester grade point average or total credits completed puts the student in danger of dismissal. A student who fails to achieve the required academic standards after a semester of probation will be subject to suspension or dismissal and will not be certified for benefits.

Enrollment Definitions

Regular students are those who have been admitted for the purpose of obtaining a degree or certificate whose admission is neither special nor conditional nor probationary.

Term	Enrollment	Minimum Credits
Fall, Spring, or Summer	Full-time	9
	Half-time	6

HOUSING

On campus housing for graduate students is not ordinarily available. Apartments and houses in all price ranges are plentiful off-campus.

POLICIES

The School of Ministry establishes rules and requirements and sets standards for all graduate degrees and certificates. Students are responsible for knowing all policies and requirements pertaining to the degree sought. Policies and procedures described in the undergraduate section of this bulletin and in the Student Handbook, including the Code of Student Conduct, apply to graduate students unless otherwise noted in this section or in the Graduate Student Handbook for the School of Ministry.

The School of Ministry reserves the right to dismiss at any time students whose academic standing, financial indebtedness to the university, or conduct it finds incompatible with the vision and goals of the school or of the university.

Degree Requirements

The Master's degrees in Theological Studies (M.T.S.), Pastoral Ministry (M.P.M.), and Catechetical Ministry (M. C. M.) each require 37 credit hours of course work. A minimum cumulative grade point average of 3.0 is required for graduation. A semester grade point average below 2.75 may place the student on academic probation.

Graduate Certificate Requirements

Graduate certificates for Theological Studies, Pastoral Ministry and Catechetical Ministry are available to students with a bachelor's degree from a regionally accredited college or university who successfully complete 18 credits within the curriculum of that program with a cumulative GPA of at least 3.0. The specific courses taken must be approved by the student's faculty advisor and the Dean. Admission as a graduate certificate student requires the same application process as the Master's program. Courses are taken for full graduate credit and a transcript is maintained by the university.

Class Attendance

Students are expected to attend all scheduled classes and to satisfy all course requirements within the time limits established by their professors, unless prevented from doing so by extraordinary circumstances such as serious illness or family emergencies, etc. A professor who deems that a student has been excessively absent during the first half of the semester may recommend that the student withdraw from the course. If students have been excessively absent throughout the entire semester, the professor may withhold permission to take the final examination and, depending on the students' academic performance, assign a grade of F or FA (failure due to absence). Consult the School of Ministry Graduate Student Handbook for more details on attendance policy.

Grade Point Average and Reports

The minimum grade point average required for graduation is 3.0. In courses in which a grade lower than a "C" (2.0 grade points) is given, the grade will count for determining the grade point average, but will not satisfy course requirements. At the end of each semester reports of final grades are available to students online.

Academic Standing

Students are considered to be in "good standing" when they maintain a cumulative GPA of at least 3.0 on a 4.0 scale. A plan of progressive academic monitoring assists students to remain in good standing and enhance the likelihood of timely graduation. At the end of each semester, all students' grades are reviewed in order to alert students and their academic advisers of potential threats to good standing.

Students whose semester GPA falls below 3.0 will receive a **written warning** at the end of that semester. They must arrange a meeting with their adviser to develop a plan for academic improvement in the coming semester.

If the student's semester GPA falls below 3.0 for a second consecutive semester, the student may be placed on academic probation. In order to enroll for the next semester, probationary students must meet with their adviser to develop a refined plan for substantial academic improvement. This plan must be approved by the adviser and the dean before enrollment for the next semester.

If a probationary student does not demonstrate substantial improvement in the completion of the next six credit hours, the student may be placed on academic suspension for one semester. Suspended students may not enroll for courses for the next semester.

In order to be readmitted, suspended students must be able to raise their cumulative GPA to the 3.0 required for graduation within the next 12 credit hours of graduate work. If at any point this standard is not met, such students may be permanently withdrawn from the program. No probationary or suspended student may enroll for more than 9 credits beyond the number required for graduation.

Transfer Credit

Upon approval of the Dean, a maximum of nine graduate credits can be transferred from other units of the university or from similar programs at regionally accredited

institutions. At the time of application the student must petition the Dean for the transfer of credit and supply the proper documentation and description of the courses for which credit is sought. SOM students seeking to take courses outside the School of Ministry must have written permission from the Dean in advance. A minimum of 28 credits must be taken from courses within the School of Ministry.

Credit for Diocesan Sponsored Deacon and Lay Ecclesial Ministry Formation Programs

Upon approval of the Dean, a maximum of nine graduate credits can be granted to those who have completed programs of academic formation for the diaconate or lay ecclesial ministry from regionally accredited colleges or universities. Grades below C will not be considered for credit. Official transcripts from the appropriate institution must be provided to receive this credit. A maximum of three graduate credits may be granted to those who have completed non-credit programs of academic formation for diaconate or lay ecclesial ministry or other comparably rigorous adult faith formation programs (e.g., SOM's Catholic Biblical School). The non-credit programs must have lasted at least three years. At the time of application the student must petition the Dean for the credit and supply the proper documentation, including syllabi, certificates, diocesan documents, etc. All credit by placement/waiver is considered as elective credit.

T and I Grades

Faculty members may give a grade of "T" (temporary) in a class if an extended time period for the completion of the course work (larger paper, project or thesis) is a planned part of the course as approved by the curriculum process of the university. A grade of "I" (incomplete) may be given in a class if students were unable to finish all assignments by the end of the semester and their reasons for the delay have been accepted by their professors. All "T" and "I" grades for a given semester must ordinarily be removed before the first day of regular registration for the next semester. A "T" grade for the master's thesis, or equivalent requirement is an exception to this rule.

When work is submitted by the due date, a "T" grade is completely removed from the student's record. The "I" is only slashed over. If work is not completed on time, the "T" or "I" grade will either become permanent (I*, I#, or I/PR) or will, at the professor's discretion, be changed to some other grade to reflect work completed.

Academic Honesty

Plagiarism and cheating are extremely serious offenses. All students are responsible for familiarizing themselves with the policy on Academic Honesty as detailed in the undergraduate section of this Bulletin and the Graduate Student Handbook for the School of Ministry.

Time Limit

For degrees and certificates the time limit for completion is six years, counting the years from the first semester in which students were enrolled in the program.

Leave of Absence

Students who need to interrupt their course of study from one semester to the next must seek a leave of absence. A leave is granted where there is a good reason for the leave and a good prospect of the students' returning to the program. Leaves of absence are limited to one academic year. Students who interrupt their courses of study without a leave of absence or are on leave for longer than one year are considered to have resigned from the program and must reapply for readmission if they should desire to return. Contact the School of Ministry for readmission requirements. Students may request that time spent on a leave of absence not count against the six year time limit for degree completion.

Continuance in the Graduate Program

Continuance in the graduate program requires that the cumulative grade point average be high enough for students to be able to earn the required GPA by the time they have completed all the course work needed for the degree. At the end of each semester records of graduate students are reviewed by the School of Ministry. The records of students whose cumulative or semester GPA is below the required standard are presented to the appropriate Program Director and the Dean for recommendation as to continuance. If students' GPA falls below the minimum level needed for a degree to be awarded by the time they have completed all the courses required for their degree, they may take no more than two additional courses in an attempt to raise their GPA to the minimum level.

DEGREES AND CONCENTRATIONS

Awarding of Degrees

Degrees are granted by the Board of Trustees upon recommendation of the Graduate Faculty of the School of Ministry and the Council of Deans and Chairs.

Core Courses

All School of Ministry master's degrees build on a core of eight courses: 6110 Graduate Pro-seminar; 6311 Liturgy and Sacraments; 6312 Moral Theology; 6313 Systematic Theology; 6314 Church History; 6320 Theological Reflection; 6321 Old Testament; and 6322 New Testament. An annotated bibliography of texts related to the core curriculum is a graduation requirement for all master's level programs.

Theological Studies Program

The master's degree and graduate certificate in theological studies are designed to give students the tools for the practical application of theological knowledge through a course of study for those students interested in reflecting on seminal theological questions through the lens of pastoral ministry. Participants may select five elective courses to complement the learning of eight core courses. This combination allows more concentrated study on a particular topic of interest, or a broadening of knowledge on a variety of subjects.

Biblical Theology Concentration

Those Theological Studies students who choose electives in the area of Sacred Scripture to accumulate a minimum of 18 credits in scripturally oriented courses may earn a concentration in Biblical theology.

Catholic Secondary School Teaching Concentration

The Catholic Secondary School Teaching Concentration of the Master of Theological Studies degree combines courses in theology with several courses in education, properly preparing graduates of the degree program for certification in secondary religious education by the Texas Catholic Conference (TCC). Contact the Office of the Dean for details.

Pastoral Ministry Program

The Program in Pastoral Ministry is designed to equip those who wish to serve in parishes or dioceses with the appropriate theological training and pastoral skills they will need to demonstrate theological knowledge and pastoral leadership in a defined ministry field. Participants may choose one of several concentrations, each of which is tailored to a specific ministry field. This degree includes field education, ministry-specific coursework, two electives determined by the student in consultation with their advisor, as well as a capstone course. Other M.P.M. concentrations may be designed with the consultation and express prior approval of the student's advisor and the Dean. Contact the School of Ministry for more information.

Campus Ministry

The Campus Ministry concentration prepares those interested in working with young adults faced with both the challenges of college life and the accompanying questions about faith, values, vocation, and using one's gifts by providing theological, pastoral and field education.

Church Management

The Church Management concentration is especially helpful for present or future parish business administrators and diocesan business managers who want more grounding in theology and ministerial practice, as well as for priests, deacons and pastoral associates who wish to strengthen their administrative and leadership skills. This concentration provides ministers with theological, pastoral, financial, and managerial skills crucial for the efficient operation of churches and schools along with field education experience.

Health Care Ministries

The Health Care concentration combines theology and pastoral ministry courses with on-site Clinical Pastoral Education (CPE) at accredited CPE programs in regional hospitals. This program contributes to the student's ability to meet the certification standards of the National Association of Catholic Chaplains.

Youth Ministry

The Youth Ministry concentration provides the preparation needed to address the spiritual growth of youth in a parish or school setting. Students in this concentration combine theology and pastoral ministry courses with on-site field education.

Catechetical Ministry Program

The master's degree and graduate certificate in catechetical ministry are designed for those who would be catechetical leaders in parishes, schools and other ministries. The program provides structured course work and pastoral skills, culminating in a capstone project.

GRADUATE COURSES IN THE SCHOOL OF MINISTRY

6110. Graduate Proseminar. Required of all first-year students, this one credit course is an introduction to the fields and methods of theological study for ministerial formation. Registration and active participation in all sessions constitute completion of the requirement. Proseminar is offered only in the Fall semester, with both on site and online options. Graded on a pass/fail basis.

6311. Liturgy and Sacraments. A critical survey of the history, theology and liturgical celebration of the sacraments according to the Roman Rite of the Catholic Church, with special attention given to the role of the Rite of Christian Initiation for Adults (R.C.I.A.).

6312. Moral Theology. A critical survey of fundamental moral theology, including the distinctiveness of Christian morality, conscience formation, natural law, moral norms and decision-making. It provides an entrée into special moral theology, which includes bioethics, environmental ethics, healthcare ethics, sexual ethics and social ethics.

6313. Systematic Theology. Structured reflection on the Christian communal experience of faith and how that faith is understood, expressed and lived out in the Catholic tradition. It invites dialogue among students and with the formative elements of Catholic tradition to consider theological method (i.e., How do we do this work properly?), doctrinal clarity (i.e., What does our formative tradition teach?) and pastoral practice (i.e., How do theology and pastoral realities influence one another?). Topics of special focus include revelation and faith, the Triune God,

Christology, Christian anthropology and the theology of the church, including Mary and the saints.

6314. Church History. The development of the Catholic Church through the lens of its magisterial, ministerial and spiritual components. The growth of the Church in the apostolic, medieval, reformation, modern and contemporary eras and see how this development has impacted understanding of faith and ministry in the Church today.

6320. Theological Reflection. Forming a basis of spirituality for ministers, theological reflection is a discipline designed to recognize God's activity within the context of ministry. Systematic reflection on students' spiritual journey and experiences enter into dialogue with scripture, church history, church teaching, current pastoral needs and the lived faith experience of the people of God.

6321. Old Testament. This course surveys the theologies of the Old Testament in light of their historical, social and cultural setting, with application of those theologies to contemporary ministerial and practical contexts.

6322. New Testament. Students survey the theologies of the New Testament in light of their historical, social and cultural setting, with application of those theologies to modern ministerial and practical contexts.

6324. Gospel of Mark. Mark is thought to have been the first gospel written, likely for Roman Christians who had experienced severe persecution under Nero. Students in this course will delve into the gospel and consider its historical setting, its portrait of Jesus and its attempt to apply the message of Jesus to a then contemporary situation: first-century Rome.

6327. Paul's Letter to the Romans. The theology and historical import of Paul's Letter to the Romans on topics such as Christology, justification, original sin, God's relationship to Israel, Reformation issues and recent interpretations.

6330. Ministry in the Church. The contemporary phenomenon of ministry in the Catholic Church from the view points of theology and pastoral practice. Theological exploration focuses on biblical visions of ministry, the history of ministry in the church and its doctrinal underpinnings and implications, especially in ecclesiology. Pastoral consideration reflects on attitudes, knowledge and skills necessary for effective pastoral ministry in today's church. Integrating these perspectives, the course includes discussion of issues related to the contemporary ministerial scene and critical ecclesial documents on ministry formation.

6331. Pastoral Administration. This course explores the purpose and function of a parish in the life of the church and the role of pastoral administration within it. Students consider the theology and experience of parish life and reflect on many of the key ministries necessary for its success, including ministries of Word, worship, service and community building. Pastoral skills for planning, leadership, administration of temporal goods, communication and managing relationships are among topics considered.

6333. Pastoral Aspects of Canon Law. An overview of Canon Law (Roman Rite), especially as it pertains to pastoral ministry. Particular attention is afforded to canonical dimensions of the obligations and rights of the Christian faithful, the structure, authority, mission and ministry of dioceses and parishes, sacramental ministry and penal procedures.

6334. Liturgical Leadership. A practical introduction to liturgical leadership. Focus is on the pastoral implications of the Catholic principle of sacramentality and its

influence on the understanding of liturgical action and what that means in actual liturgical celebrations. Attention given to liturgical planning and to lay-presiding at devotions, the Liturgy of the Hours, the Liturgy of the Word with Distribution of Communion and Sunday Celebrations in the Absence of a Priest.

6336. Catechetics and the Development of Faith. Introduction to the history, theology and practice of catechesis. Including the methods, content and curriculum of contemporary catechesis, with particular focus on age-appropriateness and faith and its maturation in people. (Replaces RPS 6314 Church History in the core courses of the MTS degree for students completing the Catholic Secondary School of Teaching Concentration.)

6338. Models of Catechesis. Survey of emerging models and approaches to catechesis including conversation and mutual learning about approaches across the lifespan to assist those preparing for or already bearing this responsibility. Particular attention given to the Rite of Christian Initiation for Adults (R.C.I.A.) as a model for the catechetical journey, adult catechesis, Catechesis of the Good Shepherd, family catechesis, intercultural catechesis, small Christian communities and youth and young adult catechesis.

6342. Healthcare Ethics. Contemporary developments in biology and medicine confront society with new and ever-complicating moral problems, which sometimes challenge Christians' basic sense of the meaning of life. The principles and norms of Catholic moral theology that are relevant to the questions and issues faced in healthcare today.

6353. Documents of Vatican II. The Second Vatican Council was called by Pope John XXIII to preserve and promote the church's heritage in a pastorally effective way in order to meet the demands of the day. Study of the Council, the four constitutions and their implementation. Survey of the Conciliar decrees and declarations and develop an understanding of their impact on the role of the laity.

6354. RCIA for Pastoral Ministers. The Rite of Christian Initiation of Adults with its particular approach to the baptismal catechumenate has been called "the source of inspiration for all catechesis". Critical analysis of the theology inherent in the ritual text that drives this "process of formation and true school of faith" through each of the four catechumenal stages. Exposure to the history of the rite, practical aspects of the catechesis that precedes and follows the ritual experiences, liturgical theology and liturgical catechesis inherent in the rite. Special attention given to Part II: Rites for Particular Circumstances, especially for children of catechetical age and application of inspirational principles of the catechumenate to pastoral practice.

6355. Contemporary Parish. The theology, structures, leadership and ministries of today's parish. We will look at contemporary parish models, their emerging trends, demographic changes; the theory and practice of pastoral leadership, the person of the pastoral leader and parish ministries. Grounded in an understanding of ecclesiology. Seminar format developing an understanding and theology of parish and what is needed to sustain parish life in the 21st century.

6356. Fundamental Theology. "In God we trust; all others pay cash." This course examines the first part of that statement. Can we trust God? At the heart of the theological endeavor are questions about the nature, event and credibility of revelation, the relationship of faith and other fields of human knowledge and the adequacy of Christianity's foundational truth claims. God acts (revelation); we respond (faith). Read, discuss and make presentations on what theologians have to say about this

dynamic, covenantal interaction and how it is the basis for everything we believe and do as Christian ministers in the Church.

6357. History of Spirituality. Spirituality marks the inner life of the church. Throughout history spiritualities have developed in reaction to, or in support of, the outer life of the church. Survey course exploring traditional Catholic spiritualities, their main movements, personalities and contemporary expression in our spiritual lives today

6373. Homiletics and Pastoral Proclamation. Consideration of key ways in which the proclamation of the Word communicates and builds up the essential mission and identity of the church. Students are expected to reflect theologically on the Word of God, both as listeners and as proclaimers, to understand the various roles and offices involved in proclamation of the Word and to practice the pastoral skills required for effective proclamation.

6V50-6V51. Special Topics. Courses offered on an occasional basis allow students and faculty to pursue special interests in areas of ministry and theology that are not offered regularly. The Dean determines the selection of topics in consultation with faculty and students.

6V71. Pastoral Ministry Internship. Supervised placement in your ministry concentration providing a structured experience of field education. Working with a supervisor in your field with hands-on experience in ministry while developing yourself, your goals and your understanding of this ministry field. Graded "Pass" or "No-Pass". Students may register for the course more than once.

6V77. Special Topics. Courses offered on an occasional basis allow students and faculty to pursue special interests in areas of ministry and theology that are not offered regularly. The Dean determines the selection of topics in consultation with faculty and students.

6V78. Clinical Pastoral Education (C.P.E.). This is a practicum in hospital-based pastoral care, which is available in cooperation with local hospitals whose programs are accredited by the National Association for Clinical Pastoral Education. Graded on a pass/fail basis.

6V90. Ministry Capstone. The final major initiative of the Master's of Pastoral Ministry degree. It is designed to indicate how students have integrated coursework into ministry. This three-credit course (one credit for Youth Ministry concentration) is completed during the final semester through a hands-on experience in the ministry concentration. By completing a Capstone Project students will demonstrate the ability to think critically, integrate the theology appropriate to ministry, plan and execute a ministry and/or research project and reflect theologically on ministry. Capstone projects require detailed applications and written approval by School of Ministry faculty supervisors several months prior to registration. Contact the School of Ministry for details.

6V91. Directed Readings. As a course arranged between instructors and students, this tutorial allows students to undertake an in-depth reading program on a topic of particular interest. It requires a detailed proposal by students that is approved, in writing, by the instructor and the Dean.

YOUTH MINISTRY COURSES

6141. Principles of Youth Ministry. The foundational understandings and principles for developing an effective, comprehensive ministry with adolescents.

6142. Practices of Youth Ministry. Exploration of the development of comprehensive youth ministry through the collaborative sharing of the resources in the community. Rooted in a theological and pastoral vision of community life, it develops foundational understandings that assist leaders in setting and implementing a vision for dynamic ministry with youth, which includes skills for advocacy, planning and organizing youth ministry, as well as methods for collaborative leadership among ministries and within ministry teams.

6143. Foundations for Ministry Leadership. The theology, principles and practices of effective leadership in Christian ministry. Participants explore current leadership concepts and approaches, as well as Christian perspectives on leadership and empowering individuals and teams of leaders for youth ministry.

6144. Skills for Christian Leadership. The theories and skills needed for principle-centered leadership in ministry. Participants develop a practical, working understanding of leadership processes and skills and the experiential ability to use those skills. Stresses the application of leadership skills to various ministry settings, problems and issues.

6145. Evangelization and Catechesis. Focus on the developmental foundations and the practices for nurturing faith-growth and Catholic identity in adolescents through evangelization and catechesis. Examination of a contemporary approach to developing Catholic identity and Catholic practices in the lives of adolescents. Creative approaches for evangelization and catechesis and develop skills and methods for evangelizing and catechizing adolescents.

6146. Justice and Service. Explores the foundations for fostering a justice and service consciousness and spirituality in youth, drawn from scripture, Catholic social teaching, adolescent development and contemporary catechetical principles.

6147. Prayer and Worship. Investigates the foundational role that prayer and worship have in fostering the spiritual growth of youth.

6148. Pastoral Care. Explores the principles and methods of caring for young people from various cultures and their families. Develops an understanding of the breadth and depth of pastoral care, family systems and adolescent development and the role that cultural identity plays in the development of adolescents.

6149. Youth Ministry Capstone. Taken in the final semester, provides students an opportunity to integrate previous coursework and reading with the knowledge and skills required to address particular pastoral tasks effectively.

LANDREGAN LECTURES

The School of Ministry sponsors the annual Landregan Lectures. Initiated in 1999 to honor Steven T. Landregan, UD alumnus, prominent churchman and editor emeritus of the Texas Catholic, the Landregan Lectures feature nationally prominent pastoral theologians whose areas of expertise reflect the many interests which have animated Mr. Landregan throughout his long and distinguished career of service to the Church in North Texas.

STUDY IN ROME

The School of Ministry occasionally offers students the opportunity to earn graduate credit at the university on the beautiful Rome campus. The campus is located in the Alban hills twelve miles southeast of Rome in a locale called Due Santi, where tradition holds that Saints Peter and Paul stopped along the Appian Way. Courses are offered on an ad hoc basis and are open to new and current School of Ministry students, visiting graduate students, or anyone wishing to audit the course. About 40% of class time is spent on "field trips" in and around the city of Rome. During the evenings and on weekends, the students may experience Rome and the surrounding area on their own.



The Satish & Yasmin Gupta College of Business (Graduate Programs)

FACULTY:

Interim Dean and Associate Professor Landry; Interim Associate Dean and Associate Professor Susan Rhome; Associate Dean and Affiliate Professor Wong; Professors Beldona, Conger, Cosgrove, Evans, May and Whittington; Associate Professors Bell, Blanke, Fodness, Frank, Maellaro, Murray, Peregoy, Remidez, Stodnick, Walsh and Wysong; Assistant Professors Arellano, Gu, Kendall, Miller, Mulig, Prachyl, Serviere-Muñoz and Yale; Affiliate Assistant Professors Nielsen and Olson; Affiliate Instructors Groves and Oliveti

PURPOSE

The Satish & Yasmin Gupta College of Business's vision of a distinctive College for the twenty-first century is grounded in its mission and values. Its mission is best exemplified in its core statement defining who it is; *a professional school whose primary purpose is to prepare its students to become competent and responsible managers who are also principled and moral leaders*. The College practices this mission in the context of an underlying educational philosophy embraced by the students, faculty, staff and supporters of the College: *experience matters*.

The curriculum has for decades stood as the hallmark of practical graduate education firmly grounded in the needs of industry and the experience of its faculty and students. Its learning environment is defined by the years of industry experience brought by its faculty and the daily work experience of its students. Classrooms are energized by the contemporary issues and challenges faced in the very real working lives of its students.

In all graduate business programs the faculty and staff stand committed to providing an experiential learning opportunity that distinguishes itself among colleges and schools of business. In addition to building work experience and internships into its degree programs, faculty members build action learning into classroom teaching. Students learn through group activities, role playing, simulations, case studies and projects. Faculty members bring live clients with very real problems into the classroom. A hallmark of the MBA program is the culminating capstone experience in which MBA students work in the field with a client to address a strategic or operational issue in its company, entrepreneurial venture, or not-for-profit organization. The MS program likewise culminates in live projects and research.

HISTORY AND PROGRAMS

The Satish & Yasmin Gupta College of Business is designed to serve the educational needs of college graduates who have already begun their business or professional careers. Over 75 percent of the College's students work for more than 450 metroplex firms and pursue their studies in evening, weekend and distance learning courses.

The College now enrolls approximately 950 students including Americans and students from 30 other countries. Over 17,000 graduate business degrees have been awarded since 1966. The undergraduate educational background of the student body is diverse: 40 percent hold degrees in business or economics, 25 percent hold

engineering degrees, 18 percent were science majors and the remaining have various other undergraduate degrees including liberal arts and social sciences. Fourteen percent of students hold graduate degrees in other disciplines.

The Satish & Yasmin Gupta College of Business is accredited by the Association to Advance Collegiate Schools of Business (AACSB International).

The Master of Business Administration (MBA) degree provides students with a basic foundation in the functions of business. Students have the option of pursuing an MBA degree with or without a concentration. Concentration options currently include Accounting, Business Analytics, Cybersecurity, Finance, Global Business, and Information and Technology Management.

The Master of Science (MS) degree is a more specialized program designed for students who seek in-depth knowledge in a specific field. Master of Science degrees are currently offered in Accounting, Business Analytics, Cybersecurity, Finance, Global Business, and Information and Technology Management.

The Certificate Program is designed for individuals interested in specializing in a certain management area without completing a graduate degree. Certificates are currently offered in Accounting, Business Analytics, Cybersecurity, Finance, Global Business, and Information and Technology Management.

The Bridge track is designed for three year undergraduate degree holders. Students may earn a MBA or MS degree, or a Graduate Certificate.

ADMISSION TO THE MBA, MS, MS/MBA, AND CERTIFICATE PROGRAMS

Success at the Satish and Yasmin Gupta College of Business depends on a number of factors ranging from motivation to practical knowledge to academic ability. The primary purpose of the admissions process is to determine a prospective student's potential to successfully complete the requirements for each degree. Because the school enrolls full-time, part-time, online and international students, a variety of paths are available to individuals seeking admission. The student may apply for admission to the college for the Fall, Spring, or Summer terms. Applications for admission are based upon the stated criteria established by the Admission Committee and the Equal Opportunity Policy stated in the Graduate Business Programs section.

To be considered for admission, all applicants must have a U.S. bachelor's degree (with a minimum cumulative GPA of 2.000 on a 4.000 scale) from a regionally accredited college or university, or a comparable foreign degree, and be in good academic and financial standing with all colleges attended. Applicants with graduate level coursework must have a minimum cumulative GPA of 3.000 on a 4.000 scale. Applicants who are required to present an English Language Testing score must submit either an official and valid TOEFL report with score of 80 or better, or an official and valid IELTS report with a score of 6.5 or better. The Pearson Test of English (PTE Academic) and other language scores are also acceptable – contact admissions for more information. Applicants not meeting these requirements will not be considered for admission of any type.

Measures of Capability

- A GPA of 3.000 or better on a 4.000 scale in the final 60 undergraduate semester credit hours completed at a regionally accredited college or university or the foreign equivalent.
- A GMAT score of 500 or better or a comparable GRE score.
- A cumulative GPA of 3.000 or better on a 4.000 scale, in no less than 12 graduate semester hours completed at a regionally accredited U.S. college or university or the foreign equivalent.

- Four years or more of relevant managerial, professional or military experience
- An undergraduate business degree from an AACSB-accredited institution

Full Admission

Applicants who hold an earned graduate degree in any discipline from a regionally accredited U.S. college or university, or a comparable foreign degree and who are in good standing with that institution will be granted Full Admission status. An applicant who does not already hold a graduate degree must show potential by satisfying at least two measures of capability. Full Admission status allows a student who is in good standing with the university to take business courses in any order, as long as all program and course prerequisites are met.

Conditional Admission

Conditional Admission allows an applicant who meets at least one of the Measures of Capability to begin classes under specific conditions. An applicant granted Conditional Admission must complete 6 credit hours of program prerequisite courses with a 'C' or better (2.000) in each course taken and an overall GPA of 3.000 or better before being considered for Full Admission status. Conditionally admitted students may take only 6 credit hours of prerequisite courses and may not take any core courses until their conditional status has been lifted. In meeting the GPA and credit hour requirement, students may be required to take courses that would have been eligible for waiver. Any coursework taken outside of the selected 6 hours of prerequisite study will not be applied towards the GPA calculation for this requirement. A student may not continue in the program until all conditions of admission (as outlined in the student's admissions agreement) have been satisfied. Students who do not meet the terms of conditional admission are subject to dismissal.

Qualifying Admission

Qualifying Admission allows an applicant who meets only minimum application requirements to begin classes under specific conditions. Applicants must complete 12 credit hours of qualifying courses and then must satisfy the conditional admission requirements. Any coursework taken outside of the assigned 12 credit hours of qualifying coursework will not be applied towards the GPA calculation for this requirement. A student may not continue in the program until all conditions of admission (as outlined in the student's admission agreement) have been satisfied. Students who do not meet the terms of qualifying admission will be subject to dismissal.

Special Student Status

Special Student Status allows a student to take up to six credit hours without seeking a degree. Applicants must meet minimum application requirements for admission to attend classes as a Special Student. Applicants may only be accepted as a Special Student one time; if the student wishes to take additional courses, the student must apply and be accepted to a degree program. Because Special Students are not admitted to a degree program, they are not eligible to appeal dismissal to the Academic Review Board.

Bridge Track

The Bridge track is for qualified applicants from countries with a three-year bachelor's degree who may not otherwise be eligible to pursue graduate education in the U.S. Bridge students may be fully or conditionally admitted to the MBA, MS, MS/MBA, or Graduate Certificate programs and must complete four special Bridge courses in addition to their program requirements. Applicants with a three-year Bologna compliant degree are exempt from the Bridge requirements.

TO APPLY FOR ADMISSION

Submit

- 1) A completed online application form.
- 2) A non-refundable application fee (see Fees and Expenses section) and international transcript evaluation fee (if applicable). Fees are payable by credit card, check or money order made out to the University of Dallas, in U.S. dollars drawn from a U.S. bank.
- 3) Official transcripts*
- 4) An official GMAT or GRE score if desired. Official test score reports for the GMAT may be obtained at www.mba.com or call +1 (800) 717-GMAT (4628). Official test score reports for the GRE may be obtained from the Educational Testing Service, at www.ets.org/gre or 1-609-771-7670 or 1-866-473-4373. The college code for University of Dallas is 6868.
- 5) A resume or curriculum vitae that describes in detail your professional experience.

Failure to disclose or submit all required documents may result in dismissal from the College.

*Official Transcripts

Electronic transcripts will only be accepted as official when sent from the transferable institution via Scrip-Safe, Parchment (formerly Docufile), Credentials Inc. (also known as Credential Solutions), or the National Student Clearinghouse. Electronic or scanned transcripts received from students will not be accepted.

Paper transcripts must be in a sealed envelope with the university seal or stamp on the sealed flap and may be mailed directly from the issuing institution to the University of Dallas or hand delivered by the applicant; transcripts not in a sealed envelope will not be considered official and are not acceptable. Uncertified or notarized copies are also considered unofficial and are not acceptable. International transcripts must include English translations and a copy of the diploma or diploma supplement. Contact an advisor for specific questions related to transcript or mark sheet requirements.

ADDITIONAL REQUIREMENTS FOR INTERNATIONAL AND PERMANENT RESIDENT APPLICANTS

International and Permanent Resident Applicants must also submit the following:

- 1) Copy of Permanent Resident Card (if applicable).
- 2) Confirmation of Financial Resources Form (F1/J1 Visa holders only).
- 3) Bank Statement (F1/J1 Visa holders only)
- 4) TOEFL score of at least 80 (IBT) or an IELTS score of at least 6.5 (Visa holders only). The Pearson Test of English (PTE Academic) and other language scores are also acceptable – contact admissions for more information. Applicants may contact an advisor to determine if they qualify for an exemption.

READMISSION

Students previously enrolled who have not completed a course for three consecutive terms will be inactivated and must reapply for admission. Applicants must meet current admission standards and be in satisfactory academic and financial standing. Readmitted students are required to meet current catalog requirements, which may require taking additional courses and repeating courses previously taken. Readmitted students may lose previously awarded waivers or transfers credits.

Students applying for readmission must submit official transcripts or individual mark sheets from any school attended since enrolling at UD, in addition to the other required application documents.

Alumni Readmission

Students who previously completed a degree program at the Satish & Yasmin Gupta College of Business may reapply for a second degree. Each student's academic history, and eligibility for transfers/waivers, will be considered on a case-by-case basis based on current equivalencies and policies.

Deferred Admission

Admits who wish to defer admission to another term should contact their advisor. Admission may be deferred for one term. Academic program designs and degree requirements will be based on the term the student matriculates.

COURSE TRANSFER/WAIVER CREDIT

A waiver is granted for program prerequisite courses when the student has taken at least 3 semester credit hours (with a grade of B- or better) at the undergraduate level OR at least 1.5 semester credit hours (with a grade of B or better) at the graduate level that are substantially similar in content to one current 1.5 credit hour business course. Current 3 credit hour business course program prerequisites require 6 semester credit hours (with a grade of B- or better) at the undergraduate level OR at least 3 semester credit hours (with a grade of B or better) at the graduate level that are substantially similar in content to qualify for a waiver.

A transfer is granted for eligible courses when taken as part of a regionally accredited graduate business program. Courses must be at least 3 semester credit hours (with a grade of B or better), must not be foundation level courses and must be substantially similar in content to one current business course.

All transfers must have been completed in the last seven years. Pass/Fail and audit courses do not qualify for waiver/transfer. A maximum of 6 credit hours may be transferred. Note: You may elect to take classes that have been waived and/or transferred and are encouraged to do so if you have no recent application of the materials being taught in those classes.

COMPUTER CENTER

The Information Technology group provides facilities and services such as e-mail, network accounts, and wi-fi access that are available to students.

Student E-mail Account Policy

Students are required to maintain a University of Dallas e-mail address as the official means of communicating with the university. Students will be assigned and notified of their e-mail address after being admitted to the College.

Laptop Policy

Many business courses require the use of a personal computer in the classroom and the vast majority require the use of personal computers to produce class assignments. All students are required to have a laptop or Tablet PC. Refer to the website for minimum laptop requirements.

Software

The university offers discounted software to those associated with the university through eFollett.com. Software may also be ordered by phone at 1.800.874.9001.

SIGMA IOTA EPSILON

Sigma Zeta, a chapter of Sigma Iota Epsilon, is the official national management honor society of the American Academy of Management. Students are eligible for SIE membership upon completion of 9 graduate business hours (excluding qualifying, foundational/program prerequisite courses) with an overall grade point average of 3.500 or higher. The purpose of the Society is to:

- Recognize student achievements in the field of management
- Facilitate discussion of contemporary management topics
- Provide interaction among students, faculty, alumni and professional managers.

Call 972-721-5277 for SIE officer contact information.

BETA GAMMA SIGMA

Beta Gamma Sigma (BGS) is the International Honor Society for AACSB-accredited schools. BGS was founded in 1913 to encourage and honor high academic achievement by students of business and management through AACSB-accredited business programs. Students nearing graduation who have a minimum cumulative GPA of 3.900 or higher are invited (invitation only) to join BGS. Membership in Beta Gamma Sigma is the highest recognition a business student anywhere in the world can receive in a business program accredited by AACSB International.

REGISTRATION

All registration is conducted online using the Banner system. Students may access Banner through the university web site. To register, students must have their student ID number and pin.

LATE REGISTRATION

Late registration may be allowed after the first week of class and requires special approval from the graduate advisor.

TIME LIMIT

Students admitted to the graduate business program must complete their degree within seven years from the first term of enrollment. Interruption due to military service or other extraordinary circumstances may qualify for extension.

COURSE LOAD

A full-time student must be enrolled in a minimum of nine credit hours per trimester. Any course load less than nine hours is considered part-time. International students on a student visa must enroll for at least nine credit hours to maintain full-time status. For financial aid purposes, half-time is considered six credit hours; full-time is nine credit hours in each trimester. The maximum load for any student is 14 credit hours per trimester. Students who wish to register for more than 14 hours, must gain approval from their advisor.

CLASS ATTENDANCE

Graduate business students are expected to attend all scheduled classes and satisfy all course requirements within the time limits established by the professors. If the student has been excessively absent from any class, it may be wise to withdraw from

the course, as lack of attendance may be reflected in the final grade. Students will not be allowed to register for classes that may conflict with regard to course meeting times.

AUDIT COURSES

Students admitted to the graduate business program may register to audit a course by paying 33% of the total tuition for the course being audited. Auditing students will not be graded or receive credit toward completion of course requirements, but their transcript will indicate course registration and attendance with a grade of "AD." Students may change a credit course to an audit with the professor's approval prior to the final test or project date or, for online students, prior to the opening of the final module. No tuition is refunded when changing from credit to audit. An audit course cannot be changed to a credit course after the first week of class. Audits for courses are on a space available basis only and registration requires submission of the Form 160. Auditing is only available for classroom sections. Auditing of online classes is not permitted.

ONLINE LEARNING

The graduate business program offers select degrees and concentrations online. Students access the online learning platform using a standard Internet connection and web browser. For more information about online learning please visit the website.

STUDENT IDENTIFICATION CARDS

Student ID cards are available from the Campus Safety Office located in the Haggard University Center. A student ID card is required to use the University Library. For more information, call 972-721-5305. Proof of current registration is required to obtain an ID card.

STUDENT WORKER OPPORTUNITY PROGRAM

A limited number of work opportunities are available in the graduate program.

- Opportunities are awarded based on the student's ability to provide services required by the university.
- Students seeking an opportunity should submit a completed application and a current resume online using the Graduate Student Worker Program form.
- Applicants are reviewed in a selective process with particular focus on the student's cumulative GPA and overall academic and financial standing.
- Applicants must complete a preliminary interview to be reviewed for consideration.
- Awarded hours vary by department.

PROFESSIONAL INTERNSHIPS

Select off-campus learning experiences may be accepted for academic credit. A full-time professor and the Associate Dean must authorize the professional internship class (BUAD 8101/8301). The content and work field of the internship must match the teaching discipline of the instructor. The majority of students request one-credit internships. However, they have the option of requesting a three-credit internship. The criteria for the two are different. A one-credit internship should be a work opportunity of at least 12-15 hours per week for 10-12 weeks. A three-credit internship should

be at least 15-20 hours per week and should include specific learning objectives, regular deliverables and advanced learning comparable to a classroom experience. Students must file a copy of an approved contract with the Office of the Registrar. The supervising professor will specify the requirements for the internship grade on the contract, which include a weekly journal and end of semester full report. The grade received will be calculated into the grade point average for the trimester the student enrolled in the course. The internship must be completed before the graduation deadline. International students seeking a professional internship must be enrolled for at least nine hours in the two preceding trimesters and have the approval of the Director, International Student Office.

PRACTICAL TRAINING

Numerous benefits are available to students on the F-1 visa. For more information, call the International Student Office at 972-721-5059.

FEES & EXPENSES 2015-2016

GRADUATE BUSINESS PROGRAMS

The University of Dallas reserves the right to change tuition, fees and any institutional policy at the beginning of any semester if the university judges such changes to be necessary. Changes may occur without prior notification.

Application Fee	\$50
This one-time non-refundable fee is required of all students desiring admission.	
Graduate Tuition – MBA, MS and Certificate Programs (per credit hour)	\$1,250
Qualifying and Foundation courses (per credit hour)	\$700
Audit Tuition is 33% of the course rate based on the student's program	\$1237.50
Internship (3 credit hours) based on tuition rate of the student's program	\$1250
Internship (1 credit hours)	\$700

GENERAL STUDENT FEES

Matriculation Fee (One-time fee for new students)	\$160
Certificate Fee	\$50
Graduation Fee	\$150
Additional Diploma/Diploma Reorder Fee	\$60
UD Payment Plan Fee	\$60
Late Payment Plan Fee	\$60
Return Check (per return)	\$35

MIXED REGISTRATION CHARGES

Occasionally, a student registers for both undergraduate and graduate courses. Tuition is charged according to the college to which the student is *admitted*. A *special student* will be charged the tuition rate according to the college that admitted the student.

AGREEMENT TO PAY/FINANCIAL POLICIES

Students are responsible for payment of all expenses incurred at the university. It is the student's responsibility to verify that payments and credits are received by Student Account Services in the Business Office, including financial aid, scholarships and sponsorships. Payment in full or acceptable arrange-

ments are due by tuition due dates. Important due dates can be found at <http://www.udallas.edu/offices/sas/importantdates.html>.

Students with delinquent accounts will be denied registration, grades, transcripts and/or diploma until all obligations are fulfilled.

They also agree to the following

The student agrees that upon non-payment of tuition charges and/or fees, the university may declare the balance due and payable. It is the student's responsibility to remain aware of obligations to the university and to make payment on a timely basis. Failure to make payment arrangements on a delinquent account may result in collection action. The student understands that the university has the right to pursue litigation against them, if they become past due. The university reserves the right to transfer past due accounts to a collection agency and/or report any delinquency to a credit bureau(s). In addition to the balance owed, the student is obligated to pay the university's costs and fees, including attorney's fees incurred in any litigation or collection activity resulting from the student's failure to pay under this agreement.

The student agrees to pay collection fees of 33%, including court costs, as permitted by law, in the event that this contract is placed in the hands of a collection agency or attorney for collection. Further, the student agrees that the university may retain all transcripts, awards, degrees, and records to which they would otherwise be entitled.

Authorization

The student authorizes the School (University of Dallas), the Department (Department of Education) and their respective agents and contractors to contact them regarding any outstanding debt that the student has incurred at the University of Dallas, including any loans, repayment of student loan(s), payment plans, or general charges that have made up the student account at the University of Dallas, at the current or any future number that the student provides for a cellular phone or other wireless device using automated telephone dialing equipment or artificial or pre-recorded voice or text messages.

This agreement entered into with the University of Dallas is to be enforced in accordance with Texas state statutes.

PAYMENT OPTIONS

Payment Due Dates

Each semester has a day on which all payments and payment arrangements are due. These dates can be found at <http://www.udallas.edu/offices/sas/importantdates.html>

Students registering after the payment due date will need to make arrangements immediately after registering for the semester.

Types Of Payments Accepted

The university accepts electronic checks, VISA, MasterCard, American Express, Discover and international payments through the web portal. A student wishing to pay in the Business Office can pay using cash or check. Credit card payments are only accepted online through the web portal. For convenience, kiosks have been placed outside the Business Office to be used for credit card payments.

Payment Plans

Student may enroll in a payment plan that allows them to spread out their payments for the semester. These plans can be enrolled online through the CASHNet system. Additional information can be found at <http://www.udallas.edu/offices/sas/plans.html>

Financial Aid

Students wishing to apply for financial aid must contact the Financial Aid Office. Financial aid students can use their financial aid as part of their payment arrangements for the semester. If financial aid covers all charges and costs for the semester, then no other payment is required. If financial aid does not cover all charges for the semester, then the remaining balance will need to be paid by using current funds or the UD payment plan.

Company Letter of Credit/Company Vouchers

Some companies have programs that will pay directly for a student's tuition and fees. These programs issue the student a Letter of Credit or Company Voucher that is to be presented to the Student Account Service. It is the student's responsibility to submit the company voucher (letter of credit) to Student Account Services by the payment due date.

Important Notice

Students, whose companies are reimbursing educational expenses directly to the employee at the end of the term and not using a Letter of Credit or Voucher system, will need to use the Pay in Full option, UD Payment Plan, or receive Financial Aid. All students must make payment arrangements at the beginning of the term with one of the above options.

Parent/Authorized Login

Parents and Authorized Users may have access to information concerning their student's account. The student will need to set up the user on CASHNet with their own login credentials. Additional information can be found at <http://www.udallas.edu/offices/sas/parentinfo.html>

International Payments

The university accepts payments in foreign currencies. Students set up the payment within CASHNet. They then take the document generated on CASHNet to their in-country bank. Their bank will do an in country transfer of funds to Western Union Business Solutions. Western Union Business Solutions converts the funds to US dollars and deposits the money to the university. Not all foreign currencies are accepted at Western Union; usable currencies can be found at <http://www.udallas.edu/offices/sas/foreigncurrency.html>

Convenience Fee

The university accepts VISA, MasterCard, American Express and Discover through the web payment portal. Each credit card transaction has a convenience fee charge at the time of payment. The convenience fee is 2.75% for domestic cards and 4.25% for international cards of the transaction total.

HIGHER ONE REFUND PROGRAM

The Higher One Refund Program is how the university sends credit balances to students electronically. The program gives student three ways to receive their refund from their student account.

- 1) **Direct Deposit:** Students have the option to have excess funds sent to an existing checking or savings account with their bank.
- 2) **One Account:** A student may also open a fully FDIC checking account with Higher One.
- 3) **Mailing a Paper Check:** Students can do nothing and between 21 to 27 business days receive a check in the mail from Higher One.

All students will receive a green envelope with a card in it. Students choose Direct Deposit or the One Account will need this card to log-in and set up their preference. Additional information can be found at <http://www.udallas.edu/offices/sas/onedisburse.html>

CHECK CASHING POLICY

All work study students are encouraged to sign up for direct deposit to receive their work study funds. Students who decide not to sign up for direct deposit will be issued a check. This check will need to be deposited into the student's bank account and cannot be cashed by the University of Dallas Business Office.

TITLE IV AUTHORIZATIONS

The Department of Education (DOE) requires an institution of higher education to obtain authorizations from the students to be allowed to perform certain activities when dealing with Title IV Funding (Financial Aid). These authorizations can be seen at <http://www.udallas.edu/offices/sas/authorization/index.html>. Students wishing to opt-out of the authorizations can do this by following the directions found on the webpage above.

AUTO DROP POLICY FOR NONPAYMENT OF TUITION & FEES

It is your responsibility to secure your registration by paying your balance in full or making payment arrangements at the time of registration. Full payment or payment arrangements must be made by the payment due date published by Student Account Services. Please see the website at: <http://www.udallas.edu/offices/sas/importantdates.html>. Students using tuition reimbursement or other corporate benefits that do not fall into one of the above categories will be required to secure registration by paying their balance in full or participating in the University of Dallas Payment Plan. Students who register for classes after the payment arrangement deadline are required to make payment in full or make payment arrangements on the day of registration to avoid registration cancellation. Students who fail to pay their balance or make payment arrangements by the payment arrangement deadline may be dropped from class. Students who are dropped from class for nonpayment will have their classes cancelled. Students who are dropped from class may re-register by submitting the Form 160 paying a \$25 Reinstatement Fee and will be required to make full payment or payment arrangements on the day of reinstatement. Reinstatement will be allowed on a space available basis only and will be guided by the add/drop policy.

FINANCIAL AID

See Braniff Graduate School of Liberal Arts Financial Aid section.

ADD/DROP/WITHDRAWAL POLICY

The following Add/Drop/Withdrawal Policy is not an indication of refund money due. All Adds/Drops/Withdrawals are subject to the posted refund schedule. Students should refer to the website for the most current deadline information.

Students may add or drop courses during the designated add/drop period for the course via the Banner system. All Adds/Drops/Withdrawals that cannot be performed via Banner must be requested using the online Form 160. A drop takes place during the first week of a twelve week term or before the first class meeting for classes offered in the following formats: 6 week, 4 week, 3 week, or all day. A withdrawal

occurs after the seventh day of a twelve week term, after a class has opened online or met in the classroom for the following formats: 6 week, 4 week, 3 week or all day.

Students who fail to officially drop or withdraw from courses that they do not complete will receive a grade of "FA" and are subject to the Academic Review Policy. Failure to attend class is not an official drop/withdrawal and students are responsible for any financial obligations they incur as a result of failing to drop/withdraw. Students who are under review for a pending Academic Honesty Violation may not drop the course in question until the issue has been resolved as determined by the Dean.

AUTO DROP POLICY FOR NONATTENDANCE

Students who fail to attend the first class meeting may be dropped from class for nonattendance.

Students who are dropped from class for nonattendance may still be responsible for all or a portion of the charges on the student account and will not be allowed to enroll in future classes until the account is paid in full.

Students who are dropped from class may re-register by submitting the online Form 160 found on the web site and paying a \$25 Reinstatement Fee per course. Students will be required to make full payment or payment arrangements on the day of reinstatement. Reinstatement will be allowed on a space available basis only and will be guided by the add/drop policy.

ADD POLICY FOR THE 12 WEEK TERMS

- 1) Students will not be allowed to add an online or hybrid class after the first Friday of the term.
- 2) Students will not be allowed to add an on ground class if it has met twice.
- 3) Students will only be allowed to add an on ground class after the first class meeting and prior to the second class meeting with advisor approval.

ADD POLICY FOR OTHER PARTS OF TERM

- 1) Students are not allowed to add any 6 week class after it has met. Once Web Registration has ended and classes begin, students will need to contact their advisor to enroll in a 6 week course that has not met. Online courses may be added until the first Friday of the term.
- 2) Students will not be allowed to add a class offered in the following formats once the course has met: All day Saturday; a two day weekend combination; 3 or 4 Week term courses that have met in an all day format – the equivalent of two class meetings.

DROP/WITHDRAWAL POLICY FOR THE 12 WEEK TERMS

- 1) Students must withdraw from a course prior to the end of the 11th week of class.
- 2) Students may not withdraw from a course after the 11th week of class and must accept the grade they are assigned.
- 3) Students who withdraw from a course after the first class meeting will receive a grade of "W" on their transcript, except during the designated add/drop week.

DROP/WITHDRAWAL POLICY FOR ONLINE/HYBRID COURSES

- 1) Students must withdraw from an online/hybrid course prior to the opening of the last online module. A withdrawal request must be processed before Unit 12 opens for a 3 credit hour course and before Unit 6 opens for a 1.5 credit hour course.
- 2) Students may not withdraw from an online/hybrid course after the opening of the last module and must accept the grade they are assigned.
- 3) Students who withdraw from a course after the first unit will receive a grade of "W" on their transcript.

DROP/WITHDRAWAL POLICY FOR OTHER PARTS OF TERM

Other parts of term included in this policy are courses that may be offered in a shorter time frame: 6 week, 4 week, 3 week, or an all day Saturday format.

- 1) Students must withdraw from a course prior to the last day of class for any course offered in one of these formats.
- 2) Students may not withdraw from a course on or after the last day of class for any classes offered in an all day format and must accept the grade they are assigned.
- 3) Students who withdraw from a course after the first class meeting will receive a grade of "W" on their transcript.

* Note: Late adds and drops are subject to the posted refund schedule regardless of when the class was added or whether or not it was attended.

WITHDRAWAL FROM THE UNIVERSITY OF DALLAS

Students who wish to withdraw from the university must complete the online Form 160. The request to withdraw must be submitted according to the deadlines stated in the Drop/Withdrawal Policy. Students who withdraw will receive grades of "W" on their transcript for each class attempted.

WITHDRAWAL IF YOU ARE RECEIVING SFA

If a recipient of Title IV Aid (financial aid recipient) withdraws from school during a payment period in which the recipient began attendance, the school must calculate the amount of Title IV Aid the student did not earn, and those funds must be returned. If a student has attended beyond the 60% point of his or her term, 100% of aid has been earned. If the recipient did not attend any class during the designated payment period, 100 percent of the funds must be returned to the lender.

GRADUATE BUSINESS PROGRAMS

TUITION REFUND GUIDELINES

All requests to drop or withdraw from courses must be submitted via the online Form 160 found on the web site and must be received by midnight CST (central standard time) on the day of the refund deadline, specified for each following class format. All fees paid are non-refundable. Students who are dismissed, or removed from class by the college as a result of an academic violation, are not eligible for

a refund of any kind (tuition and fees included). **Refund eligibility is determined by the start date of a specific term, it is not determined by the start date of individual class meetings.**

12 week terms-Online, On-Ground, Hybrid Classes

* Drop course from the first day of registration - 7th day of term:	100%
* Withdraw from course: 8th day of term - 14th day of term:	80%
* Withdraw from course: 15th day of term - 21st day of term:	50%
* Withdraw from course after 21st day of term:	No Refund

SIX WEEK COURSES

On-Ground Class:

* Drop course from the first day of registration - 7th day of term:	100%
* Withdraw from course 8th day of term - 14th day of term:	50%
* Withdraw from course AFTER the 15th day of the term:	No Refund

Online /Hybrid Class:

* Drop course BEFORE the second unit or session starts/opens	100%
* Withdraw from course BEFORE the third unit or session starts/opens	50%
* Withdraw from course AFTER the third unit or session starts/opens	No Refund

Classes that meet in an all day format

(6 full Saturdays, week-long or full weekend courses)

* Drop course by midnight CST on the 6th day following the first scheduled class meeting	100%
* Withdraw from course BEFORE the second scheduled class meeting	50%
* Withdraw from course AFTER the second scheduled class meeting	No Refund

Three Week Classes (3 credit course)

*Drop course BETWEEN the first day of registration to midnight CST on the day following the first scheduled class	100%
*Withdraw from course by midnight CST on the 2nd or 3rd day following the first scheduled class	50%
*Withdraw from course after midnight CST on the 3rd day following the first scheduled class	No Refund

*Due to the convenience of our course offerings, there may be classes that do not seem to fit into one of these categories. Please contact your advisor for clarification on specific refund schedules before classes begin.

GRADE SYSTEM

Grade Point

A	Thorough mastery of course material	4.0
A-		3.7
B+		3.3
B	Generally good understanding of course material	3.0
B-		2.7
C+		2.3
C	Partial understanding; barely adequate	2.0
All grades below "C" are considered failing.		
C-		1.7
D+		1.3
D	Inadequate understanding	1.0
D-		0.7
F	Failed to demonstrate understanding	0.0

FA Failed because of excessive absences or did not withdraw from a course 0.0

The following grades are not calculated as part of the GPA

I	Incomplete	0.0
W	Withdrawal	0.0
AD	Audit Grade	0.0
NCR	No Show (Non-credit Classes Only)	0.0
ATT	Attended (Non-Credit Classes Only)	0.0

MAKING THE GRADE

Student academic performance is generally based on at least two measurements in each course: for example, two examinations, or an examination and a project. The exception would be a Capstone course or a Practicum, which may be solely measured on the student's overall performance as evaluated by the professor. Upon the student's request, professors will explain grades but will not change grades unless it can be shown that the original grading was in error. The Dean's Office must approve any grade changes. If a student believes that the grade was assigned incorrectly, he/she may appeal the grade according to the steps outlined in the Grade Appeal Process (See below).

A grade of A, A-, B+, B, B-, C+, or C signifies that the course was passed. Students may not retake the course for grade replacement. The passing grade remains on the student's permanent record and will be used to compute the final GPA.

A grade of C-, D+, D, D-, F or FA signifies that the course was failed and that the student must retake the course and obtain a grade of C or higher. The failing grade remains on the student's permanent record and is included on any transcript, but it is not used in computing the final GPA or credit hours toward graduation. If a failing grade is earned in an elective course, the student may either retake the course, (in which case the failing grade will not be included in the GPA) or enroll in another course which will satisfy the elective requirement (in which case the failing grade will be included in the GPA). If a course has been failed more than once, only a single failing grade is excluded from the GPA. Failed courses may only be repeated once for grade replacement.

Incomplete Grades

The letter "I" denotes an Incomplete and is given only when a valid emergency prevented the student from completing course work. For an Incomplete grade to be considered, the student must have completed a substantial part of the course requirement with a grade for that work. If the student receives an "I" he/she must perform whatever academic tasks the granting faculty member deems necessary before the Incomplete will be changed to a letter grade. An Incomplete Grade Contract must be completed by the student and the professor specifying the work required and a date for completion. The Incomplete Grade Contract must be submitted to the Office of the Dean, for final approval and a copy will remain on file in the Office of the Registrar. Upon submission of the required work, the professor assigns a grade and submits a grade change form to the Office of the Registrar. If an Incomplete is not changed by the deadline specified within the contract, the grade indicated in the contract will be assigned.

GRADE APPEAL PROCESS

To appeal a grade given by a professor, follow these steps:

- 1) Request a conference (in person, if possible) with the professor so that an explanation of the grade may be given. This request must be submitted in writing within 14 days of the posting of the final course grade. If Step 1 does not satisfy concerns or if the student is unable to meet with professor, proceed to Step 2.
- 2) Submit an appeal to the Dean or the Dean's designee. This appeal must be made within two weeks following a conference with the professor (or an attempt to meet with the professor). The appeal must be prepared in written form. The Dean or designee will discuss the appeal with the student and the professor to see if the situation may be resolved. If necessary, the Dean or designee will consult with the Academic Review Board (the student may be asked to appear) prior to making the final decision. A final written statement of the situation will be provided to the student within one month after the appeal is submitted. This is the student's final appeal. The Dean's decision is final.

ACADEMIC REVIEW POLICY

All students are subject to the Academic Review Policy. Student status is reviewed every trimester as grades and documents are received. Satisfactory status will be granted if all admission requirements have been met, a minimum grade point average of 3.000 has been attained (unless otherwise stated on your admission agreement) and required coursework has been successfully completed. A student's entire graduate transcript is reviewed, including any failed grades that have been successfully repeated.

Warning status will be assigned to those students after their first term of enrollment who meet one or more of the following:

- Earn two or more grades of B- or below
- Have a cumulative GPA below 3.000

Probation and dismissal criteria have precedence over warning status. For example, if a student receives three grades of C+ or below, he or she is subject to probation with no warning.

Probation will be assigned to students who meet one or more of the following:

- Earn three grades of C+ or below
- Earn one failing grade (C- and below)
- Have a cumulative GPA between 2.500 and 3.000
- A student is allowed 9 credit hours to clear probation. If after completing 9 credit hours, the situation has not been resolved, then the student shall be dismissed. Students who are on probation may not apply for graduation or take a Capstone or Practicum course until probationary status has been cleared.

Dismissal will be assigned to students who meet one or more of the following:

- Two or more failing grades (C- and below)
- Four or more grades of C+ or below
- Two or more grades of C+ or below and one failing grade (C- and below)
- A cumulative GPA of 2.499 or below
- Failing to satisfy the requirements of Qualifying or Conditional Admission (as outlined in the admissions agreement)

Dismissal criteria have precedence over probationary status. For example, if a student receives two grades of C+ or below and one failing grade he or she is subject to dismissal without a probationary period.

ACADEMIC DISMISSAL APPEAL PROCESS

Students have the right to appeal a dismissal by means of a hearing before the appropriate Review Board. Such requests must be filed within seven (7) business days of the date of the dismissal notice.

In order to appeal a dismissal, a student must submit an online Form 180, Request for an Academic Hearing found on the web site. Also recommended is a dated letter to the Board that contains:

- full name
- explanation of academic performance (please note that valid reasons for an appeal are as follows: access to course or course resources or other circumstances that caused extraordinary impediment to student performance)
- attach supporting documentation, if necessary (only documentation submitted with this form will be accepted for the appeal; later submissions will not be accepted)

The student will be contacted to schedule a time to appear before the Board. If possible, the student should make arrangements to attend the meeting. The Board will recommend a course of action to the Dean who may either accept or reject the Board's recommendation. The Dean's decision is final.

Should a student be dismissed for a second time then that dismissal is final with no option to appeal unless there has been an alleged violation of the student's right to due process in grading or course participation or breach of published university policies or procedures.

Students should address any questions to:

University of Dallas, Satish & Yasmin Gupta College of Business
Attn: Academic Review Board
1845 East Northgate Drive
Irving, Texas 75062
Phone: 972-721-5004

GRADUATION REQUIREMENTS

Students must apply for graduation via the online Form 150 found on the web site. Students who are on probation or reinstatement from dismissal are not allowed to apply for graduation without prior approval. Degrees are conferred three times per year when the following requirements are fulfilled:

- 1) A final overall graduate grade point average of at least 3.000 out of a possible 4.000 based on all required courses.
- 2) Completion of all courses in the student's official program with a grade of C or better.
- 3) Completion of a graduation application form and payment of the graduation fee by the posted graduation deadline.
- 4) All official transcripts and required documents have been submitted.
- 5) Payment of all tuition and fees (library fines, parking tickets, etc.).
- 6) Completion of the above requirements within a period of seven years.

Exceptions

- Interruption by military service automatically extends the deadline.
- In extraordinary circumstances, a student may apply in writing to the Office of the Dean for extension of the deadline.

Diplomas

Diplomas only record the degree earned. Designation of Majors and/or Concentrations completed are included on the official transcript. Unless requested otherwise by the student, multiple concentrations will be listed alphabetically on the transcript.

CERTIFICATE AWARD PROCESS

Students must apply for a certificate by submitting the online Form 140 found on the web site. Students who are on probation or have been dismissed from the college will not be awarded a graduate certificate. Certificates are awarded when the following requirements are fulfilled:

- A minimum grade point average of 3.000 out of a possible 4.000 based on all required certificate courses, including prerequisites if applicable.
- Completion of all required certificate courses as outlined in the university *Bulletin* of the student's matriculation term.
- A complete student record by ensuring that all official documents are on file, including, but not limited to complete official transcripts (and translations if necessary), and any degree verification forms.
- Payment of all tuition and fees (application fee, library fines, parking tickets, outstanding financial obligations, etc).

ACADEMIC HONESTY

See Academic Policies and Procedures section for additional information on Plagiarism, Cheating, and Information Disclosure.

EQUAL OPPORTUNITY POLICY

The university brings together, in common pursuit of its educational goals, persons of many backgrounds and experiences. The university is committed to the principle that in no aspect of its programs shall there be differences in the treatment of persons because of race, creed, national origin, age, sex, or disability and that equal opportunity and access to facilities shall be available to all. Any student complaints pursuant to a discrimination concern should be referred to Title IX Coordinator, Office of Human Resources, 972-721-5382.



Master of Business Administration Program

The Master of Business Administration requires:

30 credits of core courses

The Master of Business Administration with Concentration requires:

30 credits of core courses

12 credits of specialized courses

CORE COURSES

The core curriculum courses build critical management and leadership skills and competencies. Classes may be taken in any order as long as course and program prerequisites are satisfied. All courses are three credit hours unless otherwise specified. *Courses with prerequisites.

ACCT 5323. Accounting for Managers.*

BUAD 6300. Business Analytics.

BUAD 6305. The Effective Leader.

BUAD 8310. Business and Society.*

BUAD 8390. The Capstone Experience.*

FINA 6305. Managerial Finance.*

MANA 6307. Managing Complex Organizations.*

MANA 8320. Global Strategy.*

MARK 6305. Value-Based Marketing.*

OPER 6305. Management of Operations.*

PROGRAM PREREQUISITES

The prerequisite courses are considered essential to a fundamental understanding of modern business and management practices. Students who have not completed the competencies comprising this prerequisite knowledge may be required to complete 6-9 additional credits in a satisfactory manner before taking core courses.

ECON 5F70. Foundations of Business Economics. 3 credit hours.

MANA 5F50. Foundations of Management and Strategy. 1.5 credit hours.

MARK 5F50. Foundations of Marketing. 1.5 credit hours.

TECH 5F70. Foundations of Information Technologies and Management. 3 credit hours

ACCOUNTING

In addition to the MBA core course requirements, students who complete ACCT 5325, 5326 and two Accounting concentration courses will receive a Concentration in Accounting designation on their transcript. *Courses with prerequisites.

ACCT 5325. Intermediate Financial Accounting I.*

ACCT 5326. Intermediate Financial Accounting II.*

ACCT 5330. Introduction to Taxation.*

ACCT 5350. Accounting Information Systems.*

ACCT 5360. Auditing.*

ACCT 6330. Financial Statement Analysis.*

ACCT 6340. Entity Taxation.*

ACCT 6390. Business Ethics for Accountants.

ACCT 7340. Advanced Accounting.*

ACCT 8380. Accounting Research Methods.*

BUSINESS ANALYTICS

In addition to the MBA core course requirements, students who complete the four specified Business Analytics electives below will receive a Concentration in Business Analytics designation on their transcript. *Courses with prerequisites.

BANA 6350. Quantitative Methods*.

BANA 6380. Data Management*.

BANA 7320. Data Mining and Visualization.*

BANA 7365. Predictive Modeling*.

CYBERSECURITY

In addition to the MBA core course requirements, students who complete the four specified Cybersecurity electives below will receive a Concentration in Cybersecurity designation on their transcript. *Courses with prerequisites.

CYBS 6350. Data Protection.*

CYBS 6355. Compliance and Legal Issues.

CYBS 7350. Operational Cybersecurity Management.

CYBS 7351. Strategic Cybersecurity Management.*

FINANCE

In addition to the MBA core course requirements, students who complete ACCT 5325, FINA 7310 and two Finance electives will receive a Concentration in Finance designation on their transcript. *Courses with prerequisites.

ACCT 5325. Intermediate Financial Accounting I.*

FINA 7310. Intermediate Managerial Finance.*

FINA 7320. International Financial Markets.*

FINA 7322. Investments.*

FINA 7327. Corporate Valuation.*

FINA 7350. Derivatives.*

GLOBAL BUSINESS

In addition to the MBA core course requirements, students who complete the four specified Global Business electives below will receive a Concentration in Global Business designation on their transcript. *Courses with prerequisites.

FINA 7320. International Financial Markets.*

GBUS 6324. Strategic Global Marketing.*

GBUS 6380. Import/Export.

GBUS 7335. Global Immersion.

INFORMATION AND TECHNOLOGY MANAGEMENT

In addition to the MBA core course requirements, students who complete TECH 6370 and three Information and Technology Management electives will receive a Concentration in Information and Technology Management designation on their transcript. *Courses with prerequisites.

TECH 6362. IT Project Management.*

TECH 6370. Process Mapping and Management.*

TECH 7362 IT Project Scope & Time Management.*

TECH 7372. Enterprise Architecture.

TECH 7374. Program and Services Management.

TECH 7375. Strategy and IT Governance.*

MBA WITH BRIDGE

- 6 credits of required Program Prerequisites
- 12 credits of Bridge courses
- 30 credits of core courses

BUAD 5315. Applied Verbal Reasoning.

BUAD 5316. Quantitative and Statistical Reasoning.

BUAD 5317. Applied Analytic Writing.

BUAD 5318 Practical Business Immersion.

MASTER OF SCIENCE PROGRAM

MS degrees are currently offered in Accounting, Business Analytics, Cybersecurity, Finance, Global Business, and Information and Technology Management. *Courses with prerequisites.

ACCOUNTING

Program Prerequisites

ACCT 5323. Accounting for Managers.* or the equivalent

ACCT 5325. Intermediate Financial Accounting I.* or the equivalent

Required Courses (33 credit hours)

ACCT 5326. Intermediate Financial Accounting II.*

ACCT 5330. Introduction to Taxation.*

ACCT 5350. Accounting Information Systems.*

ACCT 5360. Auditing.*

ACCT 6330. Financial Statement Analysis.*

ACCT 6340. Entity Taxation.*

ACCT 6390. Business Ethics for Accountants.

ACCT 7340. Advanced Accounting.*

ACCT 8380. Accounting Research Methods.*

ACCT 8395. Accounting Theory and Practice.*

BUAD 6330. Business Communication.

BUSINESS ANALYTICS

Program Prerequisites

MANA 5F50 Foundations of Management and Strategy. or the equivalent

MARK 5F50 Foundations of Marketing. or the equivalent

TECH 5F70 Foundations of Information Technologies and Management. or the equivalent

Required Courses (30 credit hours)

BUAD 6300. Business Analytics.

BUAD 8310. Business and Society.*

BUAD 6305. The Effective Leader.

TECH 6362. IT Project Management.*

BANA 6350. Quantitative Methods.*

BANA 6380. Data Management.*

BANA 7320. Data Mining and Visualization.*

BANA 7365. Predictive Modeling.*

BANA 7380. Applied Business Analytics.*

BANA 8395. Business Analytics Practicum.*

CYBERSECURITY

Program Prerequisite

TECH 5F70. Foundations of Information Technologies and Management. or the equivalent

Required Courses (30 credit hours)

BUAD 6300. Business Analytics.

BUAD 6305. The Effective Leader.

BUAD 8310. Business & Society.*

CYBS 6350. Data Protection.*

CYBS 6355. Compliance and Legal Issues.

CYBS 7350. Operational Cybersecurity Management.

CYBS 7351. Strategic Cybersecurity Management.*

CYBS 7355. Penetration Testing and Vulnerability Assessment.*

CYBS 7359. Digital Forensics.*

CYBS 8395. Cybersecurity Practicum.*

FINANCE

Program Prerequisites

ECON 5F70. Foundations of Business Economics. or the equivalent

ACCT 5323. Accounting for Managers.* or the equivalent

Required Courses (30 credit hours)

BUAD 6300. Business Analytics.

FINA 6305. Managerial Finance.*

BUAD 8310. Business & Society.*

ACCT 5325. Intermediate Financial Accounting I.*

FINA 7310. Intermediate Managerial Finance.*

FINA 7320. International Financial Markets.*

FINA 7322. Investments.*

FINA 7327. Corporate Valuation.*

FINA 7350. Derivatives.*

FINA 8395. Portfolio Management.*

GLOBAL BUSINESS

Program Prerequisites

ACCT 5323. Accounting for Managers. or the equivalent

ECON 5F70. Foundations of Business Economics. or the equivalent

MARK 5F50. Foundations of Marketing. or the equivalent

Required Courses (30 hours)

BUAD 6300. Business Analytics.

BUAD 8310. Business & Society.*

FINA 6305. Managerial Finance.*

FINA 7320. International Financial Markets.*

GBUS 6324. Strategic Global Marketing.*

GBUS 6335. Inter-Cultural Management.

GBUS 6380. Import / Export.

GBUS 6383. Global Supply Chain Management.

GBUS 7335. Global Immersion.

GBUS 8395. Global Practicum.

INFORMATION AND TECHNOLOGY MANAGEMENT

Program Prerequisites

TECH 5F70. Foundations of Information Technologies and Management. or the equivalent

Required Courses (30 credit hours)

BUAD 6300. Business Analytics.

BUAD 6305. The Effective Leader.

BUAD 8310. Business & Society.*

TECH 6362. IT Project Management.*

TECH 6370. Process Mapping and Management.*

TECH 7362. IT Project Scope & Time Management.*

TECH 7372. Enterprise Architecture.

TECH 7374. Program and Services Management.

TECH 7375. Strategy and IT Governance.*

TECH 8395. Information and Technology Management Practicum.*

GRADUATE CERTIFICATES

Graduate certificates are currently offered in Accounting, Business Analytics, Cybersecurity, Finance Global Business, and Information and Technology Management. All graduate level business certificates are a minimum of 18 credit hours. Students are responsible for satisfying prerequisite requirements for certificate courses. This may extend the number of courses and credit hours required to complete the certificate program. Certificates are awarded upon the successful completion of the required coursework with a minimum overall certificate GPA of 3.000, submission of the application, and payment of all tuition and fees. Certificate applications are processed by the Office of the Registrar upon the close of the Fall, Spring and Summer terms.

*Courses with prerequisites.

ACCOUNTING

ACCT 5326. Intermediate Financial Accounting II.*

ACCT 5330. Introduction to Taxation.*

ACCT 5350. Accounting Information Systems.*

ACCT 5360. Auditing.*

ACCT 6330. Financial Statement Analysis.*

ACCT 6340. Entity Taxation.* OR ACCT 7340. Advanced Accounting.*

BUSINESS ANALYTICS

TECH 6362. IT Project Management.*

BANA 6350. Quantitative Methods.*

BANA 6380. Data Management.*

BANA 7320. Data Mining and Visualization.*

BANA 7365 Predictive Modeling.*

BANA 7380. Applied Business Analytics.*

CYBERSECURITY

CYBS 6350. Data Protection.*

CYBS 6355. Compliance and Legal Issues.

CYBS 7350. Operational Cybersecurity Management.

CYBS 7351. Strategic Cybersecurity Management.*

CYBS 7355. Penetration Testing and Vulnerability Assessment.*

CYBS 7359. Digital Forensics.*

FINANCE

FINA 6305. Managerial Finance.*

FINA 7310. Intermediate Managerial Finance.*

FINA 7320. International Financial Markets.*

FINA 7322. Investments.*

FINA 7327. Corporate Valuation.*

FINA 7350. Derivatives.*

GLOBAL BUSINESS

FINA 7320. International Financial Markets.

GBUS 6324. Strategic Global Marketing.*

GBUS 6335. Inter-Cultural Management.

GBUS 6380. Import/Export.

GBUS 6383. Global Supply Chain Management.

GBUS 7355. Global Immersion.

INFORMATION AND TECHNOLOGY MANAGEMENT

TECH 6362. IT Project Management.*

TECH 6370. Process Mapping and Management.*

TECH 7362. IT Project Scope & Time Management.*

TECH 7372. Enterprise Architecture.

TECH 7374. Program and Services Management.

TECH 7375. Strategy and IT Governance.*

Satish & Yasmin Gupta

College of Business Graduate

Course Descriptions

PROGRAM PREREQUISITES

ECON 5F70. Foundations of Business Economics. This course is designed to help managers make informed decisions with the aid of economic analysis. It applies micro concepts of supply, demand and cost and methods of industry analysis, that assist the manager in making quantitative decisions. Macro concepts involving the banking system, monetary policy and tax policy are addressed as they relate to inflation, unemployment and business fluctuations to allow managers to have a better understanding of the environment in which a firm, its competitors and customers operate.

MANA 5F50. Foundations of Management and Strategy. Designed to provide a basic exploration of organizations in their environments and provide an introduction to the management process. The foundational tools of planning, organizing, directing and controlling are examined, with an emphasis on the strategic management process.

MARK 5F50. Foundations of Marketing. Surveys the marketing activities and decisions of both for-profit and not-for-profit organizations involved in providing need-satisfying products and services to consumers in domestic and global markets. The overall goal of the course is to provide students with a working knowledge of the fundamental marketing concepts.

TECH 5F70. Foundations of Information Technologies and Management. This course examines the global issues facing IT and Cybersecurity organizations today by providing an understanding of IT infrastructure, services, and technologies for competitiveness, efficiency, and effectiveness. Students investigate security threats faced by enterprises through the tenets of cybersecurity of confidentiality, integrity, availability, and governance.

ACCOUNTING

ACCT 5323. Accounting for Managers. Focuses on the acquisition, analysis, reporting and use of both external and internal financial information about business events important to managers and the organization. The course emphasizes the transformation of information into basic financial statements; an introduction to knowledge and skills relevant to the internal use of accounting information; techniques in support of planning and control management decisions and budgeting for business operations; and management accounting methods, terms and practices. Prerequisite: ECON 5F70. Formerly ACCT 6300.

ACCT 5325. Intermediate Financial Accounting I. In-depth coverage of the accounting system and basic financial statements with an emphasis on topics of interest to financial managers including revenue recognition, statement of cash flows, working capital, cash and receivables, and long-term liabilities. Prerequisite: ACCT 5323, ACCT 6300, or equivalent.

ACCT 5326. Intermediate Financial Accounting II. This course is a continuation of Intermediate Financial Accounting I. Covers selected accounting items with an emphasis on topics of interest in corporate financial reporting including investments, leases, pensions, deferred taxes, stockholders' equity, and earnings per share. Prerequisite: ACCT 5325 or equivalent.

ACCT 5330. Introduction to Taxation. Focuses on the basic theories and practices of individual income taxation. Involves hands-on experience in preparing individual tax returns and research projects. Prerequisite: ACCT 5323 or ACCT 6300.

ACCT 5350. Accounting Information Systems. Studies the manual and automated records, documents, procedures, and controls used in accounting systems. Emphasis is on the use of technology in financial accounting, decision-making, and auditing. Prerequisite: ACCT 5323, or ACCT 6300.

ACCT 5360. Auditing. Focuses on an audit of financial statements used for external reporting. Topics also covered include professional ethics, internal and operational auditing, assurance services, attestation services, GAAS and the Fundamental Principles, financial statement assertions, business cycles, COSO, current business events, and Sarbanes-Oxley issues. Prerequisite: ACCT 5326.

ACCT 6330. Financial Statement Analysis. Focuses on the analysis of statements including shareholders' equity, income, balance sheet, and cash flow. Topics include the analysis of financing and investing activities, profitability, growth, and economic value. Prerequisites: FINA 6305 or ACCT 5325.

ACCT 6340. Entity Taxation. Encompasses the study of federal income tax laws for corporations, partnerships, gifts, estates, and trusts. Topics include a detailed examination of corporate and partnership formation, income taxation, and income distribution from a variety of taxable entities. Prerequisite: ACCT 5330.

ACCT 6390. Business Ethics for Accountants. Develops a framework for addressing ethically challenging situations in management and synthesizing the individual's personal values with sound management practice. The course offers an integration of ethical reasoning, objectivity, independence, and other core values into the development of accounting professionals. Formerly BUAD 6390.

ACCT 7340. Advanced Accounting. In-depth coverage of financial reporting topics including: business combinations, partnerships, foreign currency transactions, governmental and not-for-profit accounting. Prerequisite: ACCT 5326.

ACCT 8380. Accounting Research Methods. Covers research methods for solving complex accounting and reporting issues including both financial accounting and tax accounting cases. Prerequisites: ACCT 5323, ACCT 5330, and ACCT 5326.

ACCT 8395. Accounting Theory and Practice. Serves as the MS Accounting final course and includes coverage of accounting theory. The course concentrates on advanced topics of U.S. Generally Accepted Accounting Principles and the application of those principles. The course is taken in the last semester of the MS program. Prerequisites: ACCT 5330, ACCT 5326, and BUAD 6330.

BUSINESS ADMINISTRATION

BUAD 5315. Applied Verbal Reasoning. Students develop and demonstrate an ability to analyze, evaluate and synthesize written and oral business and economic information, to analyze and effectively apply grammar, composition and rhetoric for business communication and to identify and understand the relationships among words and concepts for use in business information analysis and presentation. A

minimum passing grade of C (2.0) is required for this course for Qualifying Admission. Does not count as an elective towards any graduate degree program.

BUAD 5316. Quantitative and Statistical Reasoning. Students develop and demonstrate knowledge and skills for effective application of finite mathematic principles for analysis of business information. Emphasis on problem solving using algebraic and statistical manipulation of formulae and data. Minimum passing grade of C (2.0) is required for this course for Qualifying Admission. Does not count as an elective towards any graduate degree program.

BUAD 5317. Applied Analytic Writing. Students develop and demonstrate knowledge and skills necessary for the effective presentation of technical and persuasive writing using principles of grammar, composition and rhetoric. Written case analysis, critical analysis and argument and expository writing are emphasized. Mastery of external source citation is required. Minimum passing grade of C (2.0) is required for this course for Qualifying Admission. Does not count as an elective towards any graduate degree program.

BUAD 5318. Practical Business Immersion. Students develop knowledge in the foundational concepts and practices essential to management of projects, people and resources in contemporary organizations in the context of an applied field project. Students are required to demonstrate effective team membership, client management, problem identification, analysis and solving and presentation skills. Students are required to attend client meetings and cultural or industry immersion activities in addition to designated class meeting times or locations. Minimum passing grade of C (2.0) is required for this course for Qualifying Admission. Does not count as an elective towards any graduate degree program.

BUAD 6300. Business Analytics. An applications-oriented course that integrates practices related to the development, analysis, presentation and protection of data in an organizational environment. Key practices in information technology, the development and application of metrics for business and statistical analysis, the effective display of information and data integrity are addressed.

BUAD 6301/7301. Independent Study. A member of the resident faculty, with permission of the Associate Dean, supervises these special research studies. Students must submit a proposal, outline and an approved Independent Study Contract in order to register. A copy of the contract must be on file with the Office of the Registrar.

BUAD 6305. The Effective Leader. Facilitates the development of interpersonal and team skills leaders need to function effectively. Focus is on the integrated behavioral competencies that organizations value today: self-awareness, communication, collaboration, and relationship-building. Students plan and implement new behaviors relevant to individuals who hold leadership positions, as well as those who informally assume leadership roles as they work with others to achieve business goals.

BUAD 6330. Business Communication. Focuses on developing skills relevant to effective written and oral communication in applied business contexts. Practice skills in technical and commercial writing, electronic communications, visual/graphic presentation, interviewing and information gathering and expository, persuasive and extemporaneous speaking. Applications are drawn from corporate summaries and reports, accounting statements and opinions and managerial, employment, public relations and marketing communications.

BUAD 8101/8301. Professional Internship. University-directed experience in a professional employment setting appropriate to the student's professional objectives.

The supervising instructor, based on the Internship Contract, monitors the internship. Approval of the Associate Dean is required prior to course registration. The Internship Contract must be on file with the Office of the Registrar.

BUAD 8310. Business and Society. Examines the social, political, legal and regulatory environments that constitute the background in which a for-profit business firm conducts its activities in domestic and global contexts. Corporate social responsibility and the ethical dimensions of decisions that impact stakeholder groups and corporate sustainability in a competitive environment are discussed. Prerequisites: 3 credit hours of core courses.

BUAD 8390. The Capstone Experience. Taken in the last semester and designed to integrate all earlier course work. Under the guidance of the professor, each student participates on a team that is assigned to work with a real organization (i.e., consulting client) on a comprehensive project. Teams are expected to develop a scope of work (or proposal), research the firm/industry, interact with the client on an appropriate basis and present their project findings/recommendations to the client in the form of a report, presentation or debriefing near the end of the semester. Capstone Approval is required to enroll. Prerequisites: ACCT 5323 or ACCT 6300, BUAD 6300, FINA 6305, OPER 6305, MANA 5F50 and MARK 5F50.

BUSINESS ANALYTICS

BANA 6350. Quantitative Methods. Course covers traditional management science/operations research concepts, models and methods that are employed to make better, objective, verifiable, communicable, and more informed decisions for problems routinely encountered in for decision makers in business. Emphasis is on application, interpretation, and use of results to make better decision for planning and operations. Prerequisites: TECH 5F70, BUAD 6300.

BANA 6380. Data Management. This course provides a comprehensive overview of the business-analytics project lifecycle. It discusses understanding the problem, identifying the appropriate data, retrieving, preparing, and exploring the data, applying a set of candidate analytics techniques, selecting the most appropriate technique, and communicating the results into actionable business recommendations. Prerequisites: BUAD 6300, BANA 6350.

BANA 7320. Data Mining and Visualization. This course addresses techniques for exploring and visualizing large datasets to address business problems. This includes extracting relevant data from multiple sources, processing data using Structured Query Language (SQL), transforming transactions or event data, using non-numeric data, controlling degrees of freedom, and managing exceptions and extremes. Practices related to pattern discovery (segmentation, association, and sequence analyses), and building actionable business reports using visual analytics tools are discussed. Prerequisites: BUAD 6300, BANA 6350.

BANA 7365. Predictive Modeling. The course addresses practices related to predictive modeling (decision tree, regression, and neural network models). Topics include modifying data for better analysis result, building and understanding predictive models, comparing and explaining complex models, generating and using score codes, applying association and sequence discovery to transaction data, and communicating results to help make better business decisions. Prerequisite: BANA 6380.

BANA 7380. Applied Business Analytics. This course addresses tools and techniques required for creating predictive models to support business decisions and techniques

for communicating results of advanced analytics techniques. Topics include selecting and engineering predictive features, creating preliminary scorecards, performing inference techniques, determining scorecard performance, and communicating the results. Prerequisite: BANA 6380.

BANA 8395. Business Analytics Practicum. The Practicum is taken in the last semester and designed to integrate all earlier coursework. Under the guidance of the professor, each student completes applied analytics projects on approved topics. Approval is required to enroll. This course is open only to M.S. students in Business Analytics. Prerequisite: BANA 7365.

CYBERSECURITY

CYBS 6350. Data Protection. Provides a working knowledge of fundamental data protection techniques for protecting data at rest, data in motion and data in processing. Techniques include encryption algorithms and systems (symmetric, asymmetric, standard, digital certificates and hashes), Steganography, data masking and data obfuscation. Examines access controls, availability, authentication, confidentiality, data integrity and non-repudiation are covered and defenses against DDOS and other data attacks. Security by diversity and security in depth are presented as fundamental requirements. Prerequisite: TECH 5F70. Equivalent to TECH 6350.

CYBS 6355. Compliance and Legal Issues. Examines legal, privacy, and compliance environments facing organizations globally. Students build an understanding of the complexities of security, compliance and legal obligations starting with a general foundation of laws and industry standards that apply across most organizations that handle sensitive data. Examination of industry verticals expand students' knowledge of particular federal and state regulatory and industry-based obligations. It also examines how security and compliance obligations can be used to establish the security, compliance, and risk management programs for an enterprise. Equivalent to TECH 6355.

CYBS 7350. Operational Cybersecurity Management. Focuses on developing skills relative to an understanding of the business risks that exist when proper cybersecurity access controls are not effectively implemented. Students will study breach cases and have the opportunity to interface with security experts to gain an in-depth understanding of current risks, threats, and vulnerabilities organizations face. Lab simulations will be completed and each lab will be analyzed for its meaning and purpose in increasing security knowledge. Students will create a cybersecurity breach report and as a team project create an access control plan with recommendations for overcoming or minimizing cyber breach situations through the use of proper controls, the control framework, lab experiences, and other resources explored in the course. Co-requisite: CYBS 6350. Equivalent to TECH 7350.

CYBS 7351. Strategic Cybersecurity Management. Examines cybersecurity at a program level by developing a cybersecurity strategy that includes components including mission, values, organizational structure, network structure, policy, risk assessment, vulnerability management, metrics, business continuity, awareness, education, culture, staffing, mobile device management, and threat analysis. Students will complete detailed strategy road maps that they will present to an executive board for approval. Prerequisite: CYBS 6350.

CYBS 7355. Penetration Testing and Vulnerability Assessment. Provides an in-depth understanding of penetration (pen) testing and "ethical hacking", including requirements and reporting. Examination of the business impact of testing and

conduct security testing (including network and web application penetration testing) in the lab environment including: intelligence gathering, identifying and exploiting vulnerabilities, conducting post-exploitation exercises, and reporting results. Students are required to create a comprehensive report summarizing the findings including recommendations to mitigate the risks identified. Topics include social engineering, web application testing, managing a security test, and tools of attack. Prerequisite: CYBS 7350. Replaces TECH 7355 Information Security Risk Mitigation.

CYBS 7359. Digital Forensics. In-depth analysis of industry tools, technologies and practices involved in gathering, protecting and analyzing digital evidence. The class uses industry tools to perform forensic analysis and examines how various operating systems store data on storage media—hard disk drives and other digital media. Highlights how computers are used in crimes and how this can be linked to criminal motivations to focus a digital investigation. Prerequisite: CYBS 6355 & CYBS 7350. Equivalent to TECH 7358 and TECH 7359.

CYBS 8395: Cybersecurity Practicum. Taken in the last semester and designed to integrate all earlier coursework. Under the guidance of the professor, each student completes an applied research project on an approved topic. Approval is required to enroll. Open only to M.S. students in Cybersecurity. Prerequisites: CYBS 6350 and CYBS 7350.

FINANCE

FINA 6305. Managerial Finance. Focuses on risk-return analyses that managers use to maximize firm value. Topics include time value of money (review), valuation of financial instruments, capital budgeting, cost of capital and capital structure, working capital management and dividend policy. Prerequisites: ACCT 5323 or ACCT 6300, BUAD 6300 and ECON 5F70.

FINA 7310. Intermediate Managerial Finance. Builds on Managerial Finance and presents additional concepts and models for financial decision-making. Topics covered include capital budgeting, lease financing, working capital management, mergers and acquisitions, risk management, capital structure theory, dividend policy and multinational financial management. Prerequisites: FINA 6305.

FINA 7320. International Financial Markets. Policies and practices required to manage foreign exchange risk, finance international trade and meet working capital and investment needs of multinational companies. Prerequisite: FINA 6305.

FINA 7322. Investments. A thorough overview of investments, providing students with knowledge of basic types of securities (bond, stock, foreign exchanges and derivatives) and how the markets for these securities operate. The principles of finance, including arbitrage, market efficiency, asset pricing models and portfolio theory. Specific topics include risk-return and mean-variance efficient frontiers, diversification and pricing of risk, security, pricing, etc. Students apply skills in modern investment pricing techniques, including the pricing of fixed-income securities, equities, foreign exchange and derivatives. Principles of portfolio selection and management and risk control are also covered in relevant topics. Finally, the course look at how banks and other financial institutions make money by bringing issuers and investors together. Prerequisites: ACCT 5325 & FINA 6305.

FINA 7327. Corporate Valuation. Theoretical and applied understanding of key methods and tools used in valuing companies in order to evaluate mergers & acquisitions, new projects or make strategic decisions. Analysis of the factors that

drive corporate value will be emphasized. Builds upon the concepts covered in FINA 6305 Managerial Finance and FINA 7310 Intermediate Managerial Finance. Prerequisite: FINA 7310.

FINA 7350. Derivatives. Development of an understanding of financial derivative instruments (forwards, futures, options and swaps) and their applications to investment strategy and risk management. Throughout the course, we cover material in the contracts, hedging, arbitrage, pricing and risk management of financial derivative instruments. Derivatives pricing models such as Binomial Tree Model and BSM Model are discussed in detail. Students learn how to apply futures strategies for long and short hedge and how to apply option strategies such as covered calls, spreads and butterflies and options Greeks for financial engineering and risk management purpose. Students use options and futures contracts for tactical portfolio strategies purpose. Relevant topics such as securitization and real options are also covered. Prerequisite: FINA 7322.

FINA 8395 Portfolio Management. The Capstone class of the M.S. Finance program. Application of all of the theoretical finance knowledge learned in other MS Finance courses. The empirical evidence relevant for portfolio management, including cover investment strategies and risk management of equity portfolios, such as estimation of capital market parameters, trade-off between risk and return, equilibrium asset pricing models, portfolio construction, optimal portfolio selection and random walk as applied to portfolio management, etc. Prerequisite: FINA 7310 and FINA 7322. Approval required – final term.

GLOBAL BUSINESS

GBUS 6324. Strategic Global Marketing. Companies no longer can focus only on domestic markets as industries become global This course offers students a managerial view and practical approach to issues, information and cultural sensitivities required for developing effective global marketing strategies. Prerequisite: MARK 5F50 or equivalent.

GBUS 6335. Inter-Cultural Management. Examination of the influence of culture on firm management in both domestic and international operations. Factors that affect decision-making such as ethics, country risk, and sensitivity to diversity are incorporated into lectures, class discussion and case presentations. Formerly MANA 6335.

GBUS 6380. Import/Export. Covers the fundamentals of importing, exporting and international trade management Some of the topics presented include import and export laws and regulations, NAFTA and other trade agreements, lowering the cost of goods using international trade knowledge, understanding and using international shipping terms, and how security issues affect today's global supply chain. Formerly OPER 6380.

GBUS 6383. Global Supply Chain Management. Covers the strategic elements involved in managing complex supply chains. The course will detail the supply chain activities required to bring a product to market. Topics covered include: supplier selection and location, sourcing strategy, supply chain and network design, logistics and distribution, supply chain rationalization, risk management, supply chain ethics and world class supply chain management.

GBUS 7335. Global Immersion. This course provides a unique opportunity for students to be immersed in the actual context of global business through a hybrid design of online learning with a short travel component, usually 3 - 4 days. The

travel destinations rotate, and reflect a central learning theme, case or business phenomenon that is timely and relevant in the global business environment. Students will have the opportunity to interact with institutions, organizations and individuals on the leading edge of international business trends.

GBUS 8395. Global Practicum. Course provides students with an opportunity to apply their global business knowledge and skills in coordinating the strategy and operations of a multi-national enterprise in a high velocity, simulated environment. This Internet-based experience pits teams in competition with rival firms in multiple global markets. Students must effectively coordinate decisions for their firm in marketing, finance, production and operations, human resource management and corporate social responsibility (CSR) in order to craft a winning strategy. This course may be taken only in the final trimester of study. Prerequisites: BUAD 6300, FINA 7320, GBUS 6335 or MANA 6335, GBUS 7324, GBUS 6380 or OPER 6380.

MANAGEMENT

MANA 6307. Managing Complex Organizations. An employee-centered analysis of organizational value creation through the leadership of human resources. The intersection of organizational theory, behavior, development and change serves as the context in which students are challenged to develop knowledge, skills and ability necessary to plan, evaluate, implement and improve human resource initiatives. Emphasis is placed on critically evaluating multi-dimensional value creation perspectives. Prerequisite: MANA 5F50. Equivalent to MANA 6305.

MANA 8320. Global Strategy. Overview of the technological, economic, political/legal, cultural and financial dimensions of the global business environment with special focus on international trade and foreign direct investment. An experiential simulation is used to develop skills in coordinating the strategy and operations of a multi-national enterprise in a high velocity, global environment. Prerequisites: ACCT 5323 or ACCT 6300, BUAD 6300, FINA 6305, OPER 6305, MANA 5F50 and MARK 5F50.

MANA 8395. Global Capstone. Course provides students with an opportunity to apply their global business knowledge and skills in coordinating the strategy and operations of a multi-national enterprise in a high velocity, simulated environment. This Internet-based experience pits teams in competition with rival firms in multiple global markets. Students must effectively coordinate decisions for their firm in marketing, finance, production and operations, human resource management and corporate social responsibility (CSR) in order to craft a winning strategy. This course may be taken only in the final trimester of study. Prerequisites: BUAD 6300, FINA 7320, MANA 6335, MARK 7324, OPER 6380.

MARKETING

MARK 6305. Value-Based Marketing. Connects marketing decisions with financial implications. It expands and complements marketing's traditional customer-centric focus with an emphasis on marketing's value to the organization. Study and application of ROI concepts and practices for delivering higher levels of marketing productivity and profitability. Prerequisite: MARK 5F50.

OPERATIONS

OPER 6305. Management of Operations. Focuses on the operations function, which creates an organization's products and/or services. The focal point of operations is the efficient acquisition, management and transformation of resources into products and services. Operations strategy, operations' impact on profitability and important strategic and tactical decisions that affect operations are studied. Prerequisite: BUAD 6300.

TECHNOLOGY

TECH 6362. IT Project Management. A comprehensive overview of project management. It takes a socio-technical perspective on the management of projects. The content deals with planning, scheduling, organizing and implementing projects in business settings. Emphasis is on the project management process and tools. Basic concepts and tools of project management, such as work breakdown structure, scheduling, earned value analysis and risk management are introduced. Prerequisite: TECH 5F70. Formerly OPER 6370.

TECH 6370. Process Mapping and Management. Understanding business processes and their active, continuous management is fundamental to recommending IT and other managerial change solutions. Process mapping skills for 'as-is' and 'to-be' business processes are developed and practiced. In addition, techniques for change analysis, problem finding and resolution, technology impact analysis, benchmarking, error proofing and change management are developed. Prerequisite: TECH 5F70.

TECH 7362. IT Project Scope and Time Management. Examines topics related to scope and time management. Specific topics related to scope management include defining the scope, creating work breakdown structures and planning scope change control procedures. Time management topics include activity definition, activity sequencing, estimating activity resource requirements, estimating activity durations, schedule development and schedule control techniques. Prerequisite: TECH 6362. Formerly OPER 7370.

TECH 7372. Enterprise Architecture. An enterprise architecture supports enterprise-wide information technology resource design and provides a blueprint for hardware, software, network and data to best service a business' needs. This course examines the theory, principles, best practices and common frameworks applied to development of an EA and builds on them to discuss how to develop an EA for an organization. EA scalability, standardization, measurement and assessment are for different size organizations. Needs analysis provides the basis for determining the most effective type of EA.

TECH 7374. Program and Services Management. IT management has evolved to the management of programs, such as outsourcing; and management of services, such as help desk. Program management encompasses several development projects that may include business organization structure, processes, infrastructure, applications and services. Service management is an on-going role to manage bundles of services after they become operational. For program management, the discussion centers around key programs and organizational decisions managed through IT, design of program management functions. For services management, IT provides a service to the organization that directly affects the organization's relationship with its customers. For both types of management, understanding needs, design of changes, measurement and assessment are discussed.

TECH 7375. Strategy and IT Governance. Encompasses both the internal and external domains that must be mastered and managed by today's CIO. Major activities reviewed include development of IT strategy that aligns with the organization's strategy and defining a portfolio management approach to applications and their sourcing, dealing with increasing regulatory and compliance issues and the management of processes within IT, guided by standards (e.g., ISO 20000) and frameworks (e.g., CMMI, COBIT, 6-Sigma, etc.), while juggling change management in the global environment. Co-requisite: TECH 6370.

TECH 8395. Information and Technology Management Practicum. The Practicum is taken in the last semester and designed to integrate all earlier coursework. Under the guidance of the professor, each student completes an applied research project on an approved topic. Approval is required to enroll. This course is open only to M.S. students in Information and Technology Management. Formerly TECH 8395. Thesis II. Prerequisites: TECH 6370 and TECH 6362 or OPER 6370.

Doctor of Business Administration

FACULTY:

Interim Dean and Associate Professor Landry; Interim Associate Dean and Associate Professor Rhame; Associate Dean and Affiliate Professor Wong; Professors Beldona, Conger, Cosgrove, May and Whittington; Associate Professors Bell, Blanke, Fodness, Frank, Maellaro, Murray, Peregoy, Remidez, Stodnick, Walsh and Wysong; Assistant Professors Arellano, Gu, Kendall, Miller, Mulig, Prachyl, Serviere-Muñoz and Yale

Detailed information concerning the formal requirements for students enrolled in the DBA program may be found in the DBA Handbook. The University of Dallas reserves the right to add or change policies as needed without prior notice.

ADMISSION TO THE DBA PROGRAM

The DBA admissions process is rigorous, highly competitive designed to identify potential students with the skills, background, experience, and commitment necessary to complete the requirements of a DBA degree program.

Admission is based on a number of factors. These include the applicant's academic record and work history, career objectives and research interests, a commitment to an intellectually demanding program of study, letters of recommendation, overall standing compared to other applicants, a personal interview with the DBA leadership and faculty, and the number of program slots available for a given cohort.

A typical DBA student will have:

- A minimum of 10 years of significant and substantive managerial experience
- A master's degree from a recognized accredited institution
- Current TOEFL score of 95 (or IELTS equivalent score) – If attending on a Visa
- Demonstrated written and verbal communication skills
- Attendance at mandatory candidate event
- Personal interview

TO APPLY FOR DBA ADMISSION

1) A COMPLETED ONLINE APPLICATION FORM.

- 2) A non-refundable application fee of \$100 and international transcript evaluation fee (if applicable). Fees are payable by credit card, check or money order made out to the University of Dallas, in U.S. dollars drawn from a U.S. bank.
- 3) Official transcripts*
- 4) A resume or curriculum vitae that describes in detail your professional experience. Failure to disclose or submit all required documents may result in dismissal from the College.
- 5) A personal and professional statement (2 to 3 pages).
- 6) Two letters of recommendation from professionals in academia or industry.
- 7) A personal interview with the DBA Admissions Committee.

***Official Transcripts**

Electronic transcripts will only be accepted as official when sent from the transferable institution via Scrip-Safe, Parchment (formerly Docufide), Credential Solutions, or the National Student Clearinghouse. Electronic or scanned transcripts received from students will not be accepted.

Paper transcripts must be in a sealed envelope with the university seal or stamp on the sealed flap and may be mailed directly from the issuing institution to the University of Dallas or hand delivered by the applicant; transcripts not in a sealed envelope will not be considered official and are not acceptable. Uncertified or notarized copies are also considered unofficial and are not acceptable. International transcripts must include English translations and a copy of the diploma or diploma supplement. Contact an advisor for specific questions related to transcript or mark sheet requirements.

COURSE TRANSFER/WAIVER CREDIT

Due to the cohort nature of the program, no course waivers, transfers or substitutions will be granted.

TIME LIMIT

Students must complete their degree within five years from the first term of enrollment.

ATTENDANCE

Residency weekends are scheduled on a monthly basis and are mandatory. In extraordinary, unforeseen circumstances, students may be granted one excused absence with the approval of the program coordinator but may be required to complete additional assignments. Because the residency weekends are the primary instructional time, missing more than one residency weekend may result in expulsion from the program.

Online learning will be utilized between the residency weekend sessions and students should anticipate working 16-20 hours per week on coursework.

TUITION/FEES

Tuition is \$1,400 per credit hour for three years of study. Students who extend their program beyond the three year cohort design must pay tuition at the current rate until their program is completed or until they reach the five year time limit. A non-refundable deposit of \$2000 is required within 30 days of admission to the DBA program. The deposit will be applied to the tuition for the first term of enrollment.

AUTO DROP POLICY FOR NONPAYMENT OF TUITION AND FEES

It is your responsibility to secure your registration by paying your balance in full or making payment arrangements at the time of registration. Full payment or payment arrangements must be made by the Tuition due date as stated on the website. For exact dates please refer to: <http://www.udallas.edu/offices/sas/importantdates.html>. Students using tuition reimbursement or other corporate benefits that do not fall into one of the above categories will be required to secure registration by paying their balance in full or participating in the University of Dallas Payment Plan. Students who register for classes after the payment arrangement deadline are required to make payment in full or make payment arrangements on the day of registration to avoid

registration cancellation. Students who fail to pay their balance or make payment arrangements by the payment arrangement deadline may be dropped from class resulting in expulsion from the cohort program.

ADD/DROP/WITHDRAWAL POLICY

Due to the cohort design of the program, students who choose to drop a course are required to withdraw from the program and must reapply for admission to a future cohort.

TUITION REFUND GUIDELINES

Students who drop or withdraw from the program are eligible for 100% refund of tuition prior to first class meeting (no refund on initial deposit). There will be no refund of tuition after the first class meeting.

GRADE SYSTEM**Grade Point**

A	4.0
A-	3.7
B+	3.3
B	3.0
B-	2.7
All grades below "B-" are considered failing.	
C+	2.3
C	2.0
C-	1.7
D+	1.3
D	1.0
D-	0.7
F	0.0

T A temporary grade assigned if an extended time period for completion of the course is a *planned* part of the course. If work is submitted by the due date established, the "T" grade is completely removed from the student's record. The "T" grade may also be assigned by the Dean when an extraordinary situation prohibits the professor from providing a final grade in a timely manner.

P Pass in a P/NP course.

NP Non-passing grade in a P/NP course. It is not included in the grade average.

CONTINUANCE IN THE PROGRAM

Students must maintain a minimum grade point average of 3.000 to be in good standing.

Students who earn a grade of B- resulting in a cumulative GPA of less than 3.000 will be placed on academic probation and allowed one term to raise the cumulative GPA to a 3.000 or better. If satisfactory academic progress is not obtained after one term of probation then the student shall be dismissed.

Students who earn a grade of C+ or below will be dismissed from the program.

DOCTOR OF BUSINESS ADMINISTRATION PROGRAM

The DBA program requires completion of 60 credit hours over a three-year period including preparation and defense of a doctoral dissertation. The cohort program for the DBA is a full time course of study with courses that consist of the following:

36 semester hours of course work introducing micro and macro research issues in business, professional development workshops, and career transition strategies. These courses will be completed during the first two years of study. This includes 12 semester hours of research methods, including the research practicum.

6 semester hours of doctoral colloquia. The colloquium is designed to facilitate the development and enhancement of professional working relationships between students and their major professor. As such, the colloquium sequence assures that the DBA students are making adequate progress toward developing an independent applied research study for the required dissertation. The colloquium also provides supplemental instruction in research, teaching, writing, presentation, and career transition strategies.

18 semester hours of focused dissertation research. It is possible that some students will not complete the dissertation within three years, and those students will be required to take 6 hours of Doctoral Readings each semester until program completion.

*Courses with prerequisites.

Common Content Courses (24 credit hours)

DMGT 8310. The Global Imperative.

DMGT 8315. Strategic Perspectives.*

DMGT 8325. The Engagement Factor.

DMGT 8335. Leadership and Followership.*

DMGT 8355. Agile Organizations.*

DMGT 8360. The Sustainable Enterprise.*

DMKT 8345. Customer Driven Innovation.

DTEC 8350. Emerging Technologies.

Common Research Methods Courses (12 credit hours)

DBUA 8320. Designing Applied Research.

DBUA 8330. Qualitative Methods for Diagnosis and Assessment.*

DBUA 8340. Applied Statistical Analysis.*

DBUA 8365. Applied Research Practicum.*

Doctoral Colloquia (6 credit hours)

DBUA 8102. Doctoral Colloquium I.

DBUA 8103. Doctoral Colloquium II.

DBUA 8104. Doctoral Colloquium III.

DBUA 8105. Doctoral Colloquium IV.

DBUA 8106. Doctoral Colloquium V.

DBUA 8107. Doctoral Colloquium VI.

Doctoral Dissertation (18 credit hours)

DBUA 9695. Dissertation I.*

DBUA 9696. Dissertation II.*

DBUA 9697. Dissertation III.*

COURSE DESCRIPTIONS

BUSINESS ADMINISTRATION

DBUA 8102, 8103, 8104, 8105, 8106, 8107. Doctoral Colloquium I, II, III, IV, V, VI. Designed to supplement the formal course work with a series of professional development workshops to assure that students are making satisfactory progress in their applied research study. Graded Pass/No Pass.

DBUA 8320. Designing Applied Research. Designed to equip managers to be critical users of information by learning about the variety of research strategies, designs, and operations. Designed to build a core set of skills by examining the full range of methodological choices, constraints, and compromises that occur in the applied research process.

DBUA 8330. Qualitative Methods for Diagnosis and Assessment. Focuses on the use of qualitative methods for discovering, observing, and analyzing a variety of organizational phenomenon. Topics include case method, grounded theory, action research, phenomenology, ethnography, and comparative-historical inquiry. Prerequisite: DBUA 8320

DBUA 8340. Applied Statistical Analysis. Designed to build a toolkit of analytic techniques for development, measurement, and analysis of data. Topics include descriptive statistics, correlation, exploratory factor analysis, and regression analysis. Prerequisite: DBUA 8320

DBUA 8365. Applied Research Practicum. The opportunity for doctoral students to develop an applied research project in their chosen area of study over a four semester sequence. Students conceptualize hypotheses, review relevant literature, and design the methodology to conduct the research project. At the end of this four semester sequence the student will have completed the necessary components for the dissertation proposal. Prerequisites: DBUA 8320, DBUA 8330, DBUA 8340

DBUA 9695, 9696, 9697. Dissertation I, II, III. The DBA Dissertation I, II, and III are the culminating experience in the program. Individual students demonstrate their ability to design and execute an applied research study. The DBA Dissertation courses are taken in three successive trimesters after all other course work has been completed. Enrollment in DBUA 8699 Doctoral Readings may be required if the applied research project is not completed by the end of the third dissertation trimester. A grade of T is assigned and remains until after the defense of the dissertation. Doctoral Readings are required each term until the final defense of the dissertation is complete.

DBUA 8V98. Teaching Practicum. Designed for DBA students who wish to teach college-level courses. International Scholars in the DBA program must enroll in this course in order to receive employment authorization from the International Student Services Office (ISO). See ISO for details. Special restrictions apply and a contract is needed to enroll. Enrollment does not make students eligible for federal financial

aid or for the deferment of loans. The fee is \$100.00; course may be repeated. Variable credit of 1-3 hours.

DBUA 8699 Doctoral Readings. DBA students who do not defend their Dissertation while enrolled in Dissertation III, must enroll in Doctoral Readings each term until the dissertation has been defended. Registration indicates that the student is involved in full time studies necessary for degree completion and requires the approval of the DBA Academic Director. At the end of each course the student must demonstrate progress toward completion of requirements. Tuition based on current rate of tuition for the DBA program.

MANAGEMENT

DMGT 8310. The Global Imperative. Focuses on the accelerating convergence of global capital, labor, production and consumer markets. Special emphasis is placed on opportunities and threats emanating from the world's most important emerging economies, where strategic and interpersonal engagement, grounded in cross-cultural competency, represent the new global imperative.

DMGT 8315. Strategic Perspectives. Survey of strategic management topics that are relevant to managers. The primary objectives are for students to be able to assimilate and synthesize existing knowledge from the field of strategic management in meaningful ways. Intended to equip students to derive and apply tactical solutions to strategic issues that face both large and small organizations today. Prerequisite: DMGT 8310.

DMGT 8325. The Engagement Factor. Attracting and retaining a talented work force is a strategic imperative. Doing so requires organizations to create an overall context through a set of organizational practices referred to as the HR Value Chain. This organizational context must be supplemented at the individual and group level with a variety of leadership and motivational processes that foster commitment, satisfaction and engagement.

DMGT 8335. Leadership and Followership. Views leadership as both a personal and an interpersonal process. In-depth self-assessment and reflection used to develop the self-awareness necessary for effective leadership in complex environments. Ethical implications of emerging approaches to leadership and followership examined. Prerequisite: DMGT 8325.

DMGT 8355. Agile Organizations. Organizational culture, design, and change from a senior executive perspective. The structure and cultural leverage points that allow leaders to create high-performing organizations that are capable of quickly adapting to the fluid environments in which they operate. Attention paid to processes and dynamics of implementing successful change initiatives. Prerequisite: DMGT 8325.

DMGT 8360. The Sustainable Enterprise. Inter-firm relationships in a supply chain as a product or service is brought to market and its cradle-to-cradle life cycle impact on sustainability. The systems view of the supply chain used to examine sustainable design issues across the chain. Prerequisites: DMGT 8310, DMGT 8315.

MARKETING

DMKT 8345. Customer Driven Innovation. Creativity and innovation are the key drivers of success for many of today's leading companies. A culture of creativity and innovation may be the only truly sustainable competitive advantage. An important element of a creative culture is the use of design thinking to innovate with and on behalf of customers. Design thinking represents a powerful complement to more traditional management approaches and is an important knowledge and skill base for business organizations and leaders who want to lead change.

TECHNOLOGY

DTEC 8350. Emerging Technologies. Technologies that enable information power in support of the enterprise mission and goals. Current and future technologies examined from the perspective of bringing value add and change to the enterprise, empowering the employee, and engaging customers. Critical information infrastructures studied to ensure system and information confidentiality, integrity and availability. Process design, risk management and frameworks analyzed to minimize the negative effects of business issues, disasters (man-made and natural), and wicked problems that affect the country, the enterprise and each individual.



Graduate Business Programs Calendar 2015-2016

***some dates are subject to change without prior notice**

Students enrolled in the DBA program should consult the DBA handbook for relevant dates other than those listed below.

FALL 2015 TRIMESTER

New International Student Orientation	August 19, 2015
Dean's Reception	August 19, 2015
DBA Residency Weekends	September 18-19; October 9-10; November 6-7, and December 4-5, Online September 2-December 15, 2015
Change and Late Registration Week	August 24-30, 2015

Begin and End Dates for Fall Terms:

Fall I 12 Week Term On Ground	August 24-November 16, 2015
Fall I 12 Week Term Online & Hybrid	August 26-November 17, 2015
Fall 1st 6 Week Term On Ground	August 24-October 5, 2015
Fall 1st 6 Week Term Online	August 26-October 6, 2015
Fall II 12 Week Term On Ground	September 14-December 14, 2015
Fall II 12 Week Term Online	September 16-December 8, 2015
Fall II Saturdays Full Day	September 12-November 14, 2015 or September 19-December 5, 2015
Fall 2nd 6 Week Term On Ground	October 12-November 19, 2015
Fall 2nd 6 Week Term Online	October 14-November 24, 2015
Fall Last 3 Week Term	November 30-December 19, 2015
Graduation Clearance Deadline	November 19, 2015
Graduation	December 5, 2015

**Classes will not be held Labor Day Weekend, September 5-7, 2015. Fall II classroom sections will not meet during the week of Thanksgiving November 23-29, 2015.*

SPRING 2016 TRIMESTER

New International Student Orientation	January 13, 2016
Dean's Reception	January 13, 2016
DBA Residency Weekends	January 15-16; February 12-13; March 11-12; and April 8-9, Online January 13-April 19, 2016
Change and Late Registration Week	January 19-25, 2016

Begin and End Dates for Spring Terms:

Spring I 12 Week Term On Ground	January 19-April 11, 2016
Spring I 12 Week Term Online & Hybrid	January 20-April 12, 2016
Spring 1st 6 Week Term On Ground	January 19-February 25, 2016
Spring 1st 6 Week Term Online	January 20-March 1, 2016
Spring II 12 Week Term On Ground	February 1-April 21, 2016
Spring II 12 Week Term Online	February 3-April 26, 2016
Spring 2nd 6 Week Term On Ground	March 8-April 14, 2016
Spring 2nd 6 Week Term Online	March 9-April 19, 2016

Spring Last 3 Week Term April 23–May 12, 2016
 Graduation Clearance Deadline April 22, 2016
 Graduation May 7, 2016

**Classes will not be held on Easter Weekend, March 25-27, 2016.*

SUMMER 2016 TRIMESTER

New International Student Orientation May 11, 2016
 Dean's Reception May 11, 2016
 DBA Residency Weekends May 13-14; June 10-11; July 8-9;
 and August 5-6, Online May 11-August 16, 2016
 Change and Late Registration Week May 16-22, 2016

Begin and End Dates for Summer Terms:

Summer I 12 Week Term On Ground May 16-August 15, 2016
 Summer I 12 Week Term Online & Hybrid May 18-August 9, 2016
 Summer 1st 6 Week Term On Ground May 16-June 27, 2016
 Summer 1st 6 Week Term Online May 18-June 28, 2016
 Summer 2nd 6 Week Term On Ground July 5-August 11, 2016
 Summer 2nd 6 Week Term Online July 6-August 16, 2016
 Summer 3 Week August Term July 16-August 8, 2016
 Graduation Clearance Deadline August 19, 2016
 Conferral of degrees date – No ceremony August 31, 2016

**Classes will not be held Memorial Day Weekend, May 27-30, 2016 and Independence Day Weekend, July 2-4, 2016.*

FALL 2016 TRIMESTER

New International Student Orientation August 17, 2016
 Dean's Reception August 17, 2016
 Change and Late Registration Week August 22-28, 2016
 DBA Online August 24-December 6, 2016

Begin and End Dates for Fall 2016 Terms:

Fall I 12 Week Term On Ground August 22-November 14, 2016
 Fall I 12 Week Term Online & Hybrid August 24-November 15, 2016
 Fall 1st 6 Week Term On Ground August 22-October 3, 2016
 Fall 1st 6 Week Term Online August 24-October 4, 2016
 Fall II 12 Week Term On Ground September 12-December 8, 2016
 Fall II 12 Week Term Online September 14-December 6, 2016
 Fall 2nd 6 Week Term On Ground October 10-November 17, 2016
 Fall 2nd 6 Week Term Online October 12-November 22, 2016
 Fall 3 Week December Term November 28-December 17, 2016
 Graduation Clearance Deadline November 17, 2016
 Graduation December 3, 2016

**Classes will not be held Labor Day Weekend, September 3-5, 2016. Fall II classroom sections will not meet during the week of Thanksgiving, November 21-27, 2016.*

Undergraduate, Braniff Graduate School, and School of Ministry 2015-2016 Calendar

This calendar attempts to be as correct as possible. Persons needing assistance to attend these events should call 972-721-5385 at least three days before the event. The university welcomes visitors and attempts to make all reasonable accommodations to encourage attendance. These dates apply to Undergraduate, Braniff Liberal Arts, and School of Ministry programs. For the Graduate College of Business calendar please see the preceding pages.

FALL SEMESTER, 2015

August 19, Wednesday

Faculty Day—opening of academic year for faculty. Braniff deadline for Incompletes.

August 20, Thursday

School of Ministry new graduate student orientation.

August 21, Friday

Rome students depart.

August 21- 25, Friday through Tuesday

Orientation and registration; residence halls open August 21 for **new** students.

August 23, Sunday

Upperclassmen hall and student apartments open for continuing students.

August 24-25, Monday and Tuesday

Registration for Undergraduates and Braniff Liberal Arts Students.

August 25, Tuesday

Mass of the Holy Spirit 5:00 p.m. (no noon Mass this day) 5:00 daily Mass begins, Monday-Thursdays.

August 26, Wednesday

Fall semester classes begin.

August 31, Monday

Conferral of degrees for all programs. No ceremony.

September 2, Wednesday

Final Registration Day, late fee applies. Instructor signature required to add a class after this date.

September 4, Friday

Last day course may be added; last day course may be dropped without record.

September 12, Saturday

Deadline to waive student insurance.

September 18-20, Friday-Sunday
Freshman Retreat.

September 23, Wednesday
Incomplete deadline for undergraduates (excluding students with earlier deadlines under academic discipline policies).

September 27, Sunday
New Student Mass and Reception, Cistercian Abbey Church, 7:30 p.m.

September 28-October 3, Monday-Saturday
Charity Week.

September 28, Monday
Information for **spring schedule** due.

October 1, Thursday
Deadline for application for degree for graduation in December.

October 2-4, Friday-Sunday
Alumni and Family Weekend.

October 3, Saturday
LSAT given on campus.

October 9, Friday
Fall Reading Day, no classes. Offices closed.

October 12-16, Monday-Friday
Constantin midsemester period; **grades due Monday, October 19.**

October 23-24, Friday-Saturday
Odyssey Days I.

October 28-November 7, Wednesday-Saturday
Drama mainstage production.

October 30, Friday
Last day to withdraw from classes.

November 2-13, Monday-Friday
Academic counseling and **online registration** for spring semester;
Registration line November 12-13. Packets available November 2.

November 9-13, Monday-Friday
Housing registration for spring semester.

November 20-21, Friday-Saturday
Odyssey Days II.

November 25-29, Wednesday-Sunday
Thanksgiving recess begins at close of classes on Tuesday. No contract food service after lunch on Tuesday. University closed November 26-27, Thursday through Friday.

November 30, Monday
Classes resume, 8:00 a.m.; food service resumes with dinner on Sunday, November 29.

December 4, Friday
Last day of instruction. Crusader Preview.

December 7, Monday
Examinations begin.

December 8, Tuesday
Rome students return.

December 10, Thursday
End 5:00 p.m. daily mass.

December 11, Friday
Examinations end—**official close of the semester. Christmas recess** begins at the close of the last examination period. Contract food service ends with dinner on Friday; residence halls close at 10:00 a.m. Saturday, December 12.

December 18, Friday
Grades Due.

December 25, Friday
University offices closed.

December 31, Thursday
Conferral of degrees date. No ceremony.

January 1, Friday
University offices closed.

INTERTERM SESSION OF FALL 2015

December 28, Monday
One residence hall opens for Interterm at 4:00 p.m. on December 28. No contract food service available during Interterm.

December 29-January 15, Tuesday-Friday
Interterm. Classes also meet Saturday, January 2 and 9.

January 15, Friday
Last day of Interterm classes and final examinations.

SPRING SEMESTER, 2016

January 15, Friday
Braniff deadline for Incomplete grades.
Rome students depart. (tentative)

January 17, Sunday
Residence Halls open at 8:00 a.m.; food service resumes with dinner in the café on Sunday, January 17. Full service resumes in the café and Rathskeller on Monday, January 18.

January 18-19, Monday-Tuesday
Registration for spring. Verification and drop/add for continuing students.

January 20, Wednesday
Spring semester classes begin.
Resume 5:00 p.m. daily Mass, Monday-Thursday.

January 26, Tuesday
Final registration day and last day to verify.

January 28, Thursday
Aquinas Lecture.

January 29, Friday
Last day course may be added (permission of course instructor required)

after January 26); last day course may be dropped without record.

January 30, Saturday

Groundhog Party in the Park.

February 15, Monday

Crusader Preview

February 17, Wednesday

Incomplete deadline for undergraduates (excluding students with earlier deadlines under academic discipline policies).

February 20, Saturday

Landregan Lecture, 7:30 p.m.

February 26, Friday

Information for Fall, Mayterm and Summer schedules due.

February 29-March 4, Monday-Friday

Undergraduate midsemester period.

March 5-13, Saturday-Sunday

Spring Break begins at the close of classes, Friday, March 4. Contract food service ends with lunch. Residence halls closed from Saturday, March 5, at 10 a.m. through Sunday, March 13, at 8:00 a.m. Food service resumes with dinner on Sunday; classes resume at 8 a.m. Monday. **Alternative Spring Break Trips.**

March 14, Monday

Midsemester grades due; classes resume at 8:00 a.m.

March 18-19, Friday-Saturday

Meet Us @ the Tower I.

March 24, Thursday

Holy Thursday, Mass of the Lord's Supper.

March 25-26, Friday-Saturday

Good Friday: University closed: Veneration.

Holy Saturday: Vigil Mass.

March 25-28, Friday-Monday

Easter Break. Residence Halls open. No food service after lunch on Thursday until dinner on Monday.

March 27, Sunday

Easter Sunday.

April 1, Friday

Last day to withdraw from classes.

April 4-8, Monday-Friday

Housing registration for upcoming academic year.

April 4-19, Monday-Tuesday

Counseling and early registration for fall semester; **Registration line April 18 and 19.**

April 15-16, Friday-Saturday

Meet Us @ the Tower II.

April 29, Friday

Bulletin corrections due.

May 3, Tuesday

Rome students return. (tentative)

May 5, Thursday

Convocation honoring seniors, 3:30 p.m. Last day of instruction.

May 6, Friday

Review Day: **no classes, no examinations.** Closing receptions and presentations for senior Art Studio and Art History students, 5:30-9:00 p.m.

May 7, Saturday

Examinations begin.

May 12, Thursday

Examinations end; grades **must** be turned in for May graduates by noon.

Official close of the semester. Residence halls close for everyone but graduates at 10:00 a.m. Friday; Thursday dinner is last contract meal. End 5:00 p.m. daily Mass for semester. Only noon daily.

May 14, Saturday

Baccalaureate Mass at 6:00 p.m. followed by President's Reception.

May 15, Sunday

Commencement, 9:00 a.m.

May 17, Tuesday

All grades due in Registrar's Office. **Mayterm** begins. No contract food service is available during Mayterm.

SUMMER TERMS, 2016

May 17-June 3, Tuesday-Friday

Mayterm. Classes meet Saturdays, May 21 and May 28.

May 30, Monday

University closed for Memorial Day.

June 6-July 8, Monday-Friday

Summer Session I.

July 4, Monday

Independence Day (holiday) observed; university closed.

July 11-August 12, Monday-Friday

Summer Session II.

August 13-14, Saturday-Sunday

Utility Shutdown.

August 31, Wednesday

August conferral of degrees date for all programs. No ceremony.

HOLIDAYS 2015-2016

University offices will be closed on September 7, 2015 (except those necessary for undergraduate, Braniff and School of Ministry); October 9 (undergraduate, Braniff, and School of Ministry offices only); November 26-27; December 25; January 1; March 25; May 30; and July 4.

2016-2017 UNIVERSITY BASIC CALENDAR (TENTATIVE)

August 17, Wednesday	Faculty Day.
August 19- 23, Friday through Tuesday	Undergraduate Orientation.
August 22, Monday	Graduate Business classes begin.
August 24, Wednesday	Fall Semester classes begin, undergraduates, Braniff and School of Ministry.
August 31, Wednesday	Conferral of degrees for all programs. No ceremony.
October 7, Friday	Reading Day (undergraduates, Braniff and School of Ministry).
November 23-25, Wednesday-Friday	Thanksgiving Holiday. University closed November 24-25.
December 2, Friday	Classes end (undergraduates, Braniff and School of Ministry).
December 5-9, Monday-Friday	Final examinations for undergraduates, Braniff and School of Ministry.
December 26, Monday	University closed.
December 27-January 13, Tuesday-Friday	Interterm. Classes also meet December 31 and January 7.
December 31	Conferral of degrees, undergraduates, Braniff and School of Ministry.
January 2, Monday	University closed.
January 18, Wednesday	Spring semester begins for undergraduates, Braniff and School of Ministry.
March 6-10, Monday-Friday (TENTATIVE)	Spring Break.
April 14-17, Friday-Monday	Easter Break.
May 4, Thursday	Classes end.
May 11, Thursday	Examinations end.
May 14, Sunday	Commencement.
May 16-June 2	Mayterm.
June 5-July 7	Summer Session I.
July 10-August 11	Summer Session II.

Index

Academic Discipline	32	Cybersecurity	379
Academic Honesty	33	Finance	379
Academic Policies	27	Global Business	380
Academic Probation	32	Information and Technology Mgt .	380
Accreditation	8, 413	MBA with Bridge	380
Admission, Braniff	284	Concentrations, Undergraduate	42
Admission, Graduate Business .	360, 395	Accounting	107
Admission, School of Ministry	345	American Politics	258
Admission, Undergraduate	59	Applied Mathematics	206
Advanced Placement	64	Applied Physics	250
Allied Health	45	Area Studies	199
American Studies, Graduate Program.	308	Art History	95
Americans with Disabilities Act	35, 55	Art, Studio	95
Architecture	42, 90	Biblical Greek	127
Art, Department of	86	Biopsychology	104
Art Education	91	Business	106
Art, Graduate Programs	311	Christian Contemplative Studies ..	210
Art History	88, 95	Comparative Literary Traditions ..	128
Athletics	51	Computer Science	136
Attendance Policy	28, 287, 349, 364, 396	Drama	137
Auditing a Course	29, 67, 346, 365	Education	164
Awards	37	Environmental Science	172
Beta Gamma Sigma	105, 364	Ethics	173
Biochemistry	97	Healthcare Business	179
Biology, Department of	96	History and Philosophy of Science	188
Blakley Library	10	Human Sciences	193
Board of Trustees	14	Industrial/Organizational Psychology	269
Braniff Graduate School	284	International Studies	194
Business Programs, Graduate ..	359, 395	Jewish Studies	196
Business Programs, Undergraduate .	47, 105	Journalism	197
4+1 programs	107	Language	199
Calendars	403-410	Legal Studies	200
Campus	10	Medieval and Renaissance	208
Campus Life	49	Molecular Biology	223
Campus Ministry	49	Music	224
Ceramics	88	Pastoral Ministry	233
Certificates, Graduate Bus. .	360, 376, 383	Political Philosophy	258
Chemistry, Department of	114	Pure Mathematics	207
Christianity and Common Good	50	Consortium Agreement	28, 209
Classical Philology	121	Constantin College of Liberal Arts	41
Classics, Department of	120	Core Curriculum	41, 82, 351, 378
Classification of Students	28	Course Descriptions, Grad. Bus.	385, 399
College Level Examination Program ...	64	Course Numbers	27, 287
Commencement Information	37	DBA	395
Comparative Literary Traditions	128	Dean's List	31
Comprehensive Examination	85	Degree Requirements	82, 348, 378, 398
Computer Science	132	Discipline, non-academic	54
Concentrations, Graduate Business ..	378	Dismissal	34, 374, 395
Accounting	379	Dissertation	293, 398
Business Analytics	379	Drama, Department of	137

- Dual Enrollment 63
 Economics and Finance..... 142
 Economics, Department of..... 141
 Education, Department of..... 147
 Electrical Engineering Dual Degree .. 251
 Engineering..... 43, 244
 English, Department of..... 165
 English, Graduate Program..... 320
 Enrollment Status, Graduate.... 286, 374
 Examinations..... 31
 Extracurricular Life..... 49
 Faculty 16
 Federal Regulations..... 34
 Fees, Braniff..... 68, 285
 Fees, Graduate Bus. 366, 396
 Fees, School of Ministry..... 69, 285, 346
 Fees, Undergraduate 67
 Financial Aid, Braniff 285
 Financial Aid, Graduate Bus. ... 368, 369
 Financial Aid, School of Ministry 346
 Financial Aid, Undergraduate 71, 76
 French 212
 General Studies..... 174
 German 214
 Good Standing..... 32, 349
 Gorman Lecture Center..... 10
 Grade Changes 30
 Grade Point Average..... 30
 Grades 29
 Grades, Graduate Bus. 372, 397
 Graduate Business..... 359
 Graduate Record Examination 85
 Graduation..... 37
 Graduation Requirements..... 82
 Graduation Requirements, Grad. Bus. 375
 Greek..... 121, 127
 Haggard University Center..... 11
 Haggerty Art Village 10
 Health Services for Students 54
 Hebrew, Biblical 340
 History, Department of 180
 History of University..... 8
 Honor Roll 31
 Housing 52
 Humanities, Graduate Program 323
 Human Sciences 189
 Institute of Philosophic Studies..... 292
 Interdisciplinary Studies 147
 International Student Services..... 54
 Internships 175, 195, 365, 387
 Interterm..... 407
 Italian 222
 Latin 121
 Leave of Absence..... 31, 288, 350
 Lecture Series..... 50
 Library 10
 Literature, Graduate Program 294
 Loan Programs..... 78
 Maher Athletic Center..... 12
 Master of Fine Arts 312
 Master of Science 380
 Accounting..... 380
 Business Analytics..... 381
 Cybersecurity..... 381
 Finance..... 382
 Global Business 382
 Information and Technology Mgt. 383
 Master's Degrees 289, 345, 359
 Mathematics, Department of 201
 Military Science..... 45, 176
 Modern Language, Department of... 211
 Moot Court 43, 175, 200
 Music..... 224
 Nursing Dual Degree..... 44, 227
 O'Hara Science Institute..... 114
 Online Learning 365
 Paideia Personalized Major Program 229
 Painting 89
 Pastoral Ministry..... 231, 351
 Personal Career Development (OPCD) 53
 Ph.D. 292
 Phi Beta Kappa 9, 37, 52
 Philosophy and Letters..... 259
 Philosophy, Department of..... 237
 Philosophy, Graduate Program..... 326
 Physics, Department of 244
 Politics, Department of 253
 Politics, Graduate Program 329
 Pre-Architecture 42, 90
 Pre-Dentistry 44
 Pre-Engineering..... 43, 244
 Pre-Law 43
 Pre-Medicine..... 44
 Pre-Ministerial Programs..... 259
 Pre-Physical Therapy 44
 Printmaking..... 89
 Psychology, Department of..... 262
 Psychology, Graduate Program 332
 Quality Points..... 29
 Refund Policy 72, 371, 397
 Registration, Graduate Business..... 364
 Release of Information 35
 Religious Services..... 49
 Repeat and Cancel Policy 31
 Rome and Summer Programs..... 270
 Room and Board..... 73
 ROTC 176
 Scholarships..... 78
 School of Ministry..... 231, 345
 Adult Faith Formation..... 177
 Biblical School..... 177
 Sculpture 90
 Section 504, ADA..... 35, 55
 Seminarians 259
 Sigma Iota Epsilon..... 364
 Spanish..... 218
 Student Accessibility Services..... 55
 Student Government 50
 Student Life..... 49
 Study Abroad Program 221, 270, 357
 Summer Sessions 404, 409
 Teacher Certification..... 151
 Theology, Department of 275
 Theology, Graduate Programs..... 339
 Thesis, Master's..... 290
 Thomas More Studies..... 51
 Through Plan.. 167, 239, 263, 277, 289
 Time Limit..... 288, 293, 350, 364, 396
 Title IX..... 35
 Transcript Policies 36
 Transfer of Credits, Braniff 287, 292
 Transfer of Credits, Grad. Bus. . 363, 396
 Transfer of Credits, SOM..... 349
 Transfer of Credits, Undergraduate 36
 Transfer Students..... 61
 Tuition..... 67, 68, 69, 396
 University Theater..... 10, 50, 137
 Veterans & VA Benefits 62, 348
 Volunteer Opportunities 49
 Withdrawal..... 30, 369, 397
 Writing Principles..... 174

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Every effort has been made to include in this bulletin information which, at the time of the printing, most accurately and pertinently mirrors the policies and course offerings of university. However, the provisions of this bulletin are subject to change by the university without notice and do not constitute a contract between any student and the University of Dallas.

As a private institution the university explicitly reserves the right to judge whether it is in the best interests of the institution that a student be allowed to continue affiliation and may, for reasons deemed sufficient by the university itself, discontinue affiliation. By registering, the student concedes to the university the right to require withdrawal whenever the university deems withdrawal necessary.

Campus Map

- UNIVERSITY OF DALLAS**
1845 E Northgate Dr
Irving TX 75062
972.721.5000
1. Carpenter Hall

2. Lynch Auditorium

3. Braniff Memorial Tower

4. Haggard University Center/Visitor Center

5. Patrick E. Haggerty Science Center

6. Gorman Lecture Center

7. Church of the Incarnation

8. Maher Center

9. Braniff Graduate Building

10. Blakley Library

11. Haggerty Gallery/Art History

12. Painting/Printmaking

13. Ceramics

14. Novinski Arts Foundation Building

15. Sculpture

16. Margaret Jonsson Theater

17. O'Connell Hall

18. Theresa Hall

19. Madonna Hall

20. Catherine Hall

21. Drama Building

22. Anselm Hall

23. Augustine Hall

24. Gregory Hall

25. Jerome Hall

26. Student Apartments

27. Facilities Department

28. Holy Trinity Seminary

29. St. Albert the Great Priory

30. Satish & Yasmin Gupta College of Business Administration Building

31. West Hall

32. Tennis Pavilion & Restrooms

33. Lacrosse Field House

34. Shrine to Our Lady of Guadalupe

35. Future Site of Satish & Yasmin Gupta College of Business SB Hall
-